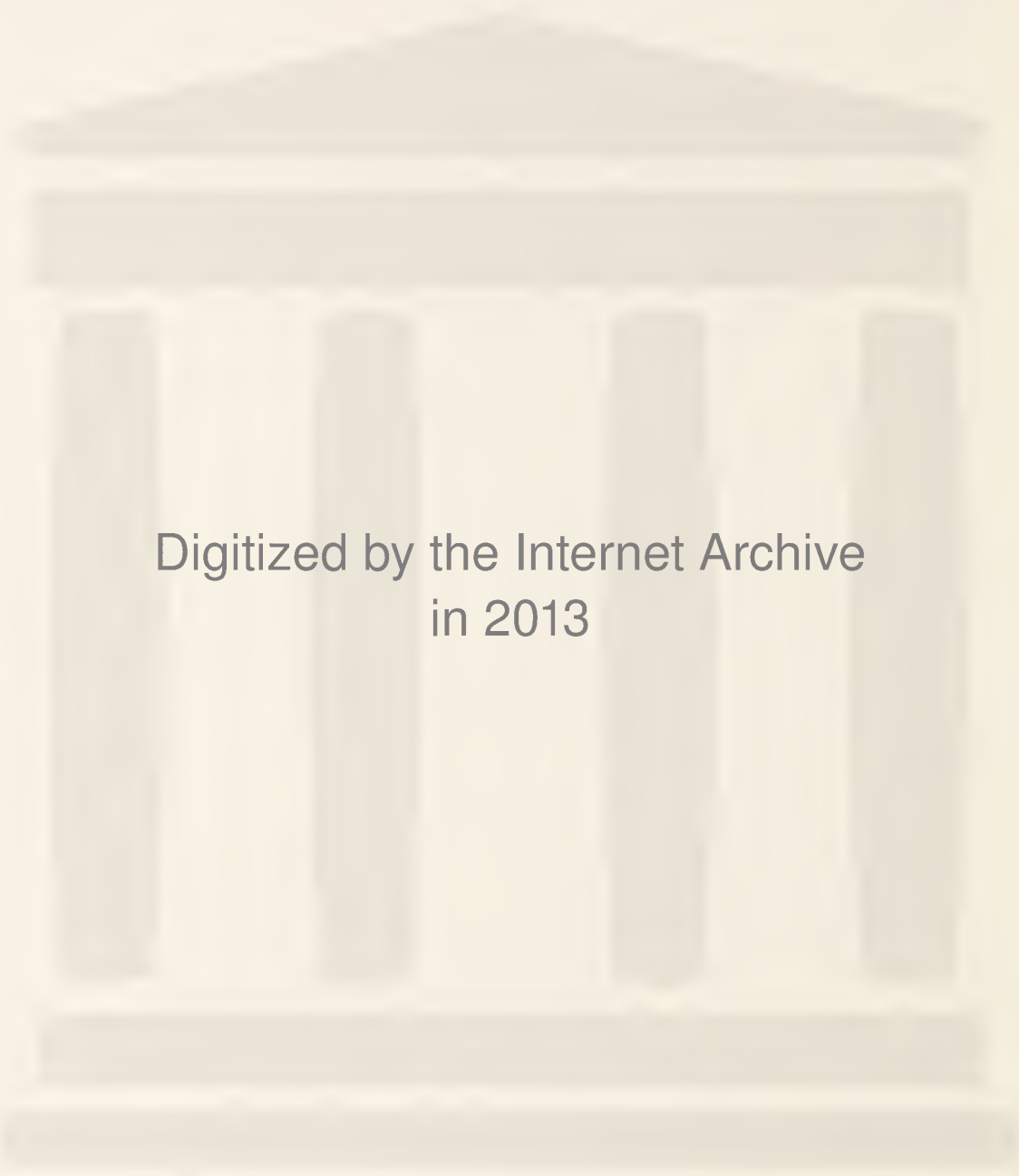

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Clemson

Vol. 27, No. 5 WEEKLY Sept. 16, 1987

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

University signs largest research contract

Faculty members in textiles and computer science will serve as co-investigators for the largest research project in Clemson's history -- an interdisciplinary plan worth at least $3.5 million over the next three years with a potential maximum value of $10 million.

Textiles Professor Christine Jarvis and Computer Science Professor Jack Peck will direct the Apparel Advanced Manufacturing Technology Demonstration project that will include a state-of-the-art demonstration facility to manufacture men's short-sleeve military shirts.

In addition, the project will include an apparel manufacturing capital investment adviser (AMCIA) and apparel manufacturing information services (AMIS).

The project results from a contract the University has signed with the U.S. Defense Department's Defense Logistics Agency.

Funding for the project comes from the federal government, state government, the University and industry.

Gov. Carroll Campbell and Third District U.S. Rep. Butler Derrick were among top state officials present for the announcement.

Campbell said the project was important because it shows the University is "successfully competing for advanced research funding at a time when this state is striving to improve our high technology capabilities." He added that there would be a "major push" during the coming legislative year to increase funding for the state's three research universities.

"We view it as a public service, extension-type project," says Jarvis. "We want to show how the use of off-the-shelf, state-of-the-art equipment can be economically justified so that even a small company could take on a government project."

President Max Lennon said the University must "consider it part of our mission to help industry grow. When there is industry growth here, the state benefits economically. And this is a great opportunity to build up apparel research and education here at Clemson University."

Peck agrees that the project will help build an academic support base for the apparel industry.

"One unique thing about our proposal," he says "is that it brings together people with a lot of different backgrounds and expertise. Faculty from the textile school, the department of computer science and the department of management will work together on this project. And we have received short-term research project ideas from faculty in the College of Engineering, particularly mechanical engineering."

The project will begin Oct.1, and the demonstration facility will be fully operational within a year. Although site selection is still to be determined, Jarvis expects it to be located on the perimeter of campus.

In case you're wondering...

No, you haven't picked up the wrong publication. We've just given the University Newsletter a new face and a new name.

After all, everyone needs a little change every now and then...

Construction of the 210-acre Clemson Research Park continues on schedule and should be ready for occupancy by December.

Open Forum

Welcome to "Open Forum," a special section of *Clemson Weekly* intended to give faculty and staff a medium through which to present reasoned, positive, constructive discussion of issues and ideas important to the University at large.

To make commentary more timely than a quarterly publication allows, "Open Forum" will be presented on a trial basis as a regular feature in *Clemson Weekly* as submissions allow.

For guidelines and additional information, contact the editor of *Clemson Weekly* at 656-3860.

President's address to faculty raises issues

President Lennon's August 19th address to the University faculty and staff raised a number of issues that merit thoughtful consideration and campus-wide dialogue.

In the course of his address President Lennon made more than one reference to what he calls "marketability." Since I have heard him use this term on a number of public occasions, I infer that it represents a concept in which he places considerable stock.

If I understand his usage correctly, "marketability" primarily refers to the "selling" of our "product", education, to "consumers" beyond the campus, that is, to the public at large or to selected target publics.

For example, in his remarks the President seemed to suggest that faculty should think about offering programs to the residents of Keowee Key — people who, he noted, have "resources."

What I am not clear about is how such "marketability" figures into the President's idea and ideal of a university. One of the things I associate with the idea and ideal of a university, even a land-grant university, is the pursuit of knowledge for its own sake. And so I wonder about the trade-offs between that pursuit and the pursuit of new educational "markets." For it is certain that trade-offs there must be: The time and energy a professor spends offering programs at Keowee Key — or J.P. Stevens or the Greenville Chamber of Commerce — however well spent, are time and energy that cannot be expended upon the pursuit of knowledge. Clemson University faculty are perhaps to be pardoned if they are sometimes uncertain as to what, in the view of the Administration, their priorities should be.

At another point in his address, in the course of his exhortation to faculty to improve their teaching, the President mentioned that one of the things he got a sense of at his regular breakfasts with students was the quality of faculty instruction. He went on to indicate that he not only heard about who was teaching effectively and who less effectively but that he "had their names."

Personally, I applaud the President's concern for good teaching and have no objection to his urging me to improve, for even after 28 years in the classroom I still may not have it right. I applaud, too, the President's effort to solicit student opinion. But I wonder about the appropriateness, not only of breakfast-table conversation as a means for assessing classroom performance (when the University has in place a carefully designed mechanism for student evaluation of faculty), but also of the public utilization of information so obtained as a carrot (or a stick) to motivate pedagogical improvement.

Finally, in the course of an explanation of how, under a new University procedure, the academic deans will have expanded authority concerning the disbursement of their colleges' budgets, President Lennon noted that it would be "fun" to sit back and watch how "clever" departments and department heads would take maximum advantage of this opportunity to secure an increased share of each college's fiscal pie — with the implication that the less aggressive would fall by the wayside. In another of the President's favorite phrases, this new procedure will provide yet another "equal opportunity to become unequal."

Again, I wonder about the extent to which the principle of competitiveness accords with the idea and ideal of a university where, I had thought, collegiality and cooperation were supposed to be uppermost. I wonder if what appears to be an industrial model — Buick striving to outdo Oldsmobile — may not only be inappropriate to an educational institution that purports to encourage an interdisciplinary atmosphere, but also counter-productive. Is setting department against department really a way to advance teaching, research, and service and to improve faculty morale?

Roger Rollin
William James Lemon Professor
of Literature
Department of English

The Clemson University Newsletter is published for the faculty and staff of Clemson University by the Division of University Relations.

University Newsletter Editor ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. **DEADLINE Is Sept. 22, noon, for Sept. 30 issue.**

Clemson
WEEKLY
Vol. 27, No. 6 Sept. 23, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

New research vice presidency created

Following a spectacular year of growth in research, President Max Lennon has announced that a position for vice president of research will be created to meet new demands.

The total value of competitive grants and contracts awarded to University faculty increased 58 percent this past year to about $40 million — some $6.5 million more than the previous year. In 1985, Clemson ranked 89th out of some 3,600 colleges and universities nationwide in research funding. About 550 of those are considered to be major research institutions.

Clemson is expected to jump even higher in the ranking when 1986 figures are released in December, says Jay Gogue, associate director for University Research.

Clemson officials see the University's research as a vital element in planning for the future.

"Research is closely tied to the economic development of a state," explains Gogue. "South Carolina stands to gain significantly," he adds, "because of Clemson's expanding role in research activities. Industry relocates to areas that have a strong pool of resources, including faculty members that can function as consultants. As our research capabilities expand, our climate for industry grows."

Gogue says the Office of University Research may be reorganized and expanded when the new vice president is named following the retirement of Stan Nicholas, director of University Research, next June. A committee is being formed to begin the search to fill the position.

The Office of University Research was established to help interested faculty obtain research grants or contracts by providing services to ensure that proposals are written and marketed properly.

photo by Brian Koldyke

President Max Lennon (right) and Alumni Professor Page Crouch examine printing samples in a graphics lab of the newly renovated Godfrey Hall, which houses the department of industrial education.

Lennon and other University officials toured the remodeled facility which, although complete, still is in need of additional office furnishings.

University named Bicentennial Campus

The University has been selected as a "Bicentennial Campus" by the National Commission on the Celebration of the Bicentennial of the Constitution as a result of this summer's lecture-discussion series on the Constitution.

Facilities committee will not meet this month

The Facilities Planning Committee will not meet this month. The next scheduled meeting is Oct. 21 at 1:30 p.m. in the board room of Sikes Hall.

Tickets still available

Tickets are still available at the University Union for two October concerts.

Tickets for the R.E.M. concert Oct. 2 and Fleetwood Mac's homecoming concert Oct. 10 are still available at the Union Box Office for $15 and $17.75, respectively. Showtimes are at 8 p.m.

For information, call 656-2461.

Fike closes for football

Remember that all campus recreation facilities are closed during all home football games.

Briefly

Alternative farming is Newman Lecture topic

Alternative farming will be the topic of the Sept. 24 Newman Lecture, sponsored by the department of agricultural engineering.

Garth Youngberg, executive director of the Institute for Alternative Agriculture Inc., will speak on "Alternative Farming Systems in U.S. Agriculture" at 2 p.m. in Room 100 McAdams Hall.

Youngberg will give a history and the current status of alternative agricultural policy and agricultural research policy and will discuss the Agricultural Productivity Act of 1985.

For additional information, call Richard White at 656-4084.

University to host discrete mathematics conference

A two-day mini conference on theoretical, applied and computational aspects of discrete mathematics will be held here Oct. 1 and 2.

The conference, sponsored by the departments of mathematical sciences and computer science with support from the Office of Naval Research, will include brief presentations with intermittent discussion. All interested persons are welcome to attend.

For more information, call Renu Laskar in math sciences at 656-5218 or 656-3434 or Stephen Hedetniemi in computer science at 656-5858 or 656-3444.

Dizzy Gillespie to perform Sept. 29

One of the hottest jazz trumpets around will lead off this year's Performing Artist Series Sept. 29.

Dizzy Gillespie will perform at 8 p.m. in Tillman Hall Auditorium.

Tickets are on sale now at the University Union Box Office. General admission seating is $10. Seating for senior citizens is $7. A limited number of tickets will be available the night of the show.

For information, call 656-2461.

Psychologist to speak

The Women's Studies Committee in the College of Liberal Arts will present a lecture by University of Tennessee clinical psychologist Cheryl Travis Sept. 24.

Travis will speak at 3:30 p.m. in 118 Brackett Hall on "Development Perspectives in Gender and Mental Health." A reception will follow.

She will present an additional lecture Sept. 25 at 10:10 a.m. in 118 Brackett on "Medical Decision Making and Women's Surgery."

All interested faculty, staff and students are welcome to attend.

For more information, call Barbara Dickson-Parnell at 656-4979.

Extension offers furniture refinishing seminar

Now's your chance to refinish that old rocking chair or table that you've been meaning to work on but just haven't gotten around to.

The Pickens County Extension Office is offering a seminar on furniture refinishing Sept. 28- 29 for anyone interested in the craft.

The first part of the seminar will be a two-hour lecture in which refinishing expert Gary Locke will demonstrate the basics and answer any questions on when and how to go about refinishing furniture and its care and maintenance.

The second part will consist of a three-hour, hands-on workshop in which participants will refinish their own items.

The cost of the workshop is $16.50 and includes a kit with refinishing chemicals and a book by Frank Broadnax on furniture refinishing.

Deadline for registration is today, so interested persons should call the Pickens Extension office now at 859-2422 or 868-2810.

Quintet to perform

The Borealis Wind Quintet will perform as part of the University Concert Series Sept. 24 at 8 p m. in Tillman Hall Auditorium.

Since the group's creation at the prestigious Julliard School of Music, the Quintet has received national acclaim for its performances.

For information, call 656-3043.

Nursing to offer weight control clinic

Starting Sept. 30, the Nursing Center will sponsor a weight control clinic on consecutive Wednesdays for six weeks. Classes will run from 12:30 to 1:30 p.m. For registration and additional information, call 656-3076.

Polaroid representative will be on campus

Paul McLaughlin of Polaroid Corp. will be on campus this Friday at 1:30 p.m. in Room F-149 of the P&AS Building to demonstrate Polaroid's new products.

He will demonstrate cameras that generate overheads and prints from slides and a freeze-frame camera which that creates slides or prints from video sources.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Sept. 29, noon, for Oct. 7 issue.**

The University Union says:

'Have center — will help you travel'

The Clemson University Union Travel Center may be one of the campus's best kept secrets — but not for long.

Unbeknownst to many around the University, the center is more than just a place to grab a few colorful brochures of dreamy, exotic — and expensive — places.

"Little by little, faculty, staff and students are beginning to realize that we're over here and have a lot to offer," says Patty Skelton, manager of the center tucked away inside the Union Program Offices in the loggia of Johnstone Hall.

"Although we do have our share of brochures, we're also able to provide free of charge to the University a majority of the same services as local agencies with comparable rates. We can design an outing to suit whatever individuals or groups are looking for in a holiday.

The only thing the Travel Center doesn't do is make international travel arrangements, unless provided with specific reservation information first, she says.

"However, we are the only South Carolina agency that can process and provide American Youth Hostel Cards and International Student I.D.s on the spot."

The center has been in operation for almost five years now and, in addition to its hundreds of brochures, boasts an up-to-date library of travel books and videos, atlases and road maps for all 50 states. It has guides for hotel and motel accommodations throughout the United States and overseas, as well as information on snow skiing, cruises, camping, whitewater rafting and theme parks.

Group rates and discount tickets to area theme parks (such as Carowinds and Six Flags) and area ski resorts (such as Sapphire Valley and Scaly Mountain) are available, as are application forms for passports and international driver's licenses, and even personalized luggage tags.

And a phone call is all it takes.

"All a faculty or staff member needs to do is call 656-5833 and tell us what they'd like in a vacation, and we'll do the rest," says Skelton.

"We'll make all the travel and lodging arrangements, so that they can spend less time organizing and more time enjoying."

Skelton says the Travel Center will make airline reservations and deliver tickets within 24 hours of making the reservation. They can provide Frequent Flyer applications to save big dollars for those traveling by air and will order boarding passes, reconfirm reservations and call clients with any necessary updates.

The center also helps clients rent cars and provides shuttle service to the Greenville-Spartanburg jetport during fall and spring breaks, Thanksgiving and the beginning and end of each semester.

And if you're not sure where you want to go, the center can provide a world of vacation ideas and packages. "We can get our clients great deals on everything from Carribean cruises to snow skiing trips in Colorado," she says.

And if trips to faraway places are a bit too elaborate, there's plenty for people to do right in Clemson's own back yard, she says.

"Weekend getaways are becoming more and more popular," she says. "People are finding out that they can spend a few days in Greenville or Atlanta and have a great time for as little, or as much, as they'd like to spend. Also, the bed-and-breakfast inns are becoming more and more popular."

Skelton says one particular plus the Travel Center has that many area agencies don't is information on local activities and events, such as whitewater rafting on the Chattooga, camping at state parks, and sightseeing in Greenville or Columbia. And for new faculty and staff, the center has lots of county-by-county information on South Carolina.

"Such local information can be quite an advantage for departments that are interviewing job candidates," she says. "By bringing them to the Travel Center, they can better familarize their applicants with the area and all the things it has to offer.

"Even if family or friends are coming into town for football games, we have complete information on local motels and restaurants and can make arrangements for them in advance, so that they don't have to spend a lot of time calling long-distance to fight for scarce rooms."

The next time you set your sights on taking a trip, try looking right under your nose first. It might save you some time, trouble and dollars.

Open Forum

Biotechnology research warrants University concern

During the past two years in the Clemson University community there has been considerable discussion of the subject of biotechnology and other terminology that refer to the addition or deletion of genes in organisms for the benefit of human welfare.

Many who vigorously promote research in this area speak with missionary zeal about the potential for progress through the use of genetic manipulation, to the point that some who pursue research along the more traditional methods may feel that their work is somehow out-of-date and superfluous.

My purpose in this letter to "Open Forum" is to inject some words of caution into this discussion because a head-long rush into the area of biotechnology has potential to harm some of our long-term research objectives and to waste financial and professional resources.

There are at least four areas of concern that deserve careful thought and discussion. First, we should consider what we expect biotechnology to do for us. Genetic manipulation is a most useful tool to introduce genes that we want to study into a plant, animal, or microbe.

But once we have accomplished this feat, a difficult process begins — that of assessing the effect upon the organism in question — its biological characteristics, its competitiveness, its morphology, and a host of other qualities. One must not assume that a single genetic change will change only a single characteristic. For example, a single mutation in a fungus that rots peaches not only changed the fungus' sensitivity to a fungicide; it also affected the rate of growth, rate of fruit decay, number of spores produced, and the ability to compete with wild strains in the natural environment.

In other words, careful scientific evaluation of the experimental organism must be conducted in the time-honored fashion of unbiased experimental investigation to determine how genetic transfer affects the behavior of organisms in their natural environment.

Second, how do we expect to obtain the funds to finance biotechnology research? Recently, we celebrated the conclusion of an agreement with a large commercial company to study the behavior of a genetically engineered organism in the environment. True, the funds will help us in a time when finances are under severe strain. But evidently our collective memory is short. Only ten years ago agricultural scientists were struggling to rebut charges that research with agricultural chemicals was biased because private industry helped to support the research. We successfully countered those charges but a certain amount of faith in public institutions was undermined.

Have we carefully considered the implications of large-scale industry-university cooperation? Will increasing dependence upon such funds restrict our capacity as scientists for independent investigation into those subjects that we believe are important?

The next issue I raise with some alarm. It appears that one reason why South Carolina is attractive to those who wish to test engineered organisms in the environment is that the public is apathetic to the introduction of such organisms into the field. If we respond to this lack of concern by encouraging commercial enterprises to test their organisms in South Carolina, we may be open to public criticism when public concern and awareness increase.

There is need for careful, deliberate evaluation of any new technology, but the potentials for biological manipulation are so broad and far-reaching that everyone should be concerned. Only forty years ago organic pesticides were being hailed for their greater safety and potential for controlling pests; now we know about their potential for both good and harm. How much more we should be concerned about genetically altered organisms that can and do increase in the environment. Testing of genetically altered organisms must be thorough, exhaustive, and pursued with deliberate speed and should not be promoted as a means for quick solutions to urgent problems.

Finally, I wish to call to mind the urgency of needs of South Carolina farmers and gardeners. Food producers continue to lose out to weather, pests and diseases, and production costs are high. Many people in agriculture cannot wait ten to twenty years for the fruits of biotechnology to deal with their problems.

We must not assume that biotechnology and biological control can and will solve our major production and marketing problems. Many are not amenable to control by genetic or biological manipulations. As we pursue long-range objectives we also must deal effectively with those immediate problems that must be solved. It does little good to discuss fire-proof buildings when one's house is on fire. Let's not sacrifice traditional programs where we are strong for the sake of popular programs that may or may not transform our lives.

Eldon I. Zehr,
professor,
Department of Plant Pathology and Physiology

Clemson
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Vol. 27, No. 7 Sept. 30, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Trustee establishes faculty chair

Coker at President Lennon's 1985 inauguration ...

A gift from Dr. and Mrs. Coker will lead to establishing a $1.5 million Trustee Chair, Clemson's largest academic endowment.

Coker died Sept. 28 at a Hartsville hosptial.

A $500,000 gift from a Hartsville couple will create the University's most prestigious faculty position.

The gift from Robert and Lois Coker, made through The Cotton Foundation of Memphis, Tenn., will establish a Trustees Chair, a faculty position endowed with at least $1.5 million.

Coker died early Monday, Sept. 28, at a Hartsville hospital.

"It is so characteristic that Bob Coker's last thoughts were of Clemson," said President Max Lennon. "He has touched so many people during his lifetime -- neighbors, friends, farmers, students -- and now he will continue to have an impact upon all of us for generations to come."

The gift will be matched by the University. Funds from both Clemson and The Cotton Foundation will boost the endowment to a level sufficient to fund the chair.

A Trustees Chair requires at least $1.5 million, although a total of $2 million will be sought. The chair will be filled by a leading scholar in molecular genetics and will provide the operating budget for that scientist's research. The chair will be established in the Division of Agriculture and Natural Resources.

The chair is an essential step forward given the University's focus in biotechnology and its applications, said Lennon, adding that it will greatly enhance Clemson's ability to provide leadership in exploring the possibilities and limitations of genetic engineering.

Coker was perhaps best known as the agriculturalist and businessman who, in the 1960s and '70s, helped start and lead the South's war against the pesky and destructive boll weevil, a bane of the cotton farmer.

He received Clemson's highest public honor, The Clemson Medallion, in 1985 and retired from active service on the Clemson board this past summer, when he was named Trustee Emeritus.

Funeral Services for Coker were held Tuesday at First Baptist Church of Hartsville, with burial in Magnolia Cemetary.

In addition to his widow, Lois Coker, he is survived by two children, Mrs. John E. Lee of Atlanta and William C. Coker of North Litchfield Beach, S.C., two grandchildren and three sisters.

Board approves six-year improvements plan

The Board of Trustees has approved a six-year permanent improvements plan that lists as top priorities a $15 million engineering innovation center and an $8.4 million central animal facility.

For fiscal year 1988-89, Clemson's top facilities funding priorities include the engineering center, $10 million for asbestos-removal projects, $9 million for the renovation of Johnstone Hall and the animal care facility, which involve private fund-raising efforts.

Other high-priority projects include water filtration plant improvements, a continuing education center, a performing arts center and a textile research building.

The Board heard an update on other projects, including the $6.5 million Strom Thurmond Institute. An architectural redesign of the privately funded facility has been completed and will go out for bids next week.

The Board also authorized the College of Liberal Arts to pursue approval of a department of religion and philosophy and approved designs for a Centennial flag and coat-of-arms (see related story on back).

In other business, the Board unanimously elected Thomas B. McTeer of Columbia vice chairman.

The Board also passed a resolution expressing appreciation to Trustee Emeritus Robert Coker of Hartsville for nearly three decades of service to the Board as well as his lifelong service to agriculture.

Briefly

McCaskill elected

Von McCaskill, head of the department of fertilizer and pesticide control, has been elected president of the Association of Southern Feed, Fertilizer and Pesticide Control Officials.

Townsend honored

Extension Service agent Ann Townsend of Edgefield has been honored as an outstanding newcomer to the home economics profession by the S.C. Association of Extension Home Economists.

She was named the group's 1987 rookie of the year. She was recognized for her work in forming a Healthy Mothers, Healthy Babies coalition to address the problem of teen pregnancy in the county and for a budget program she prepared and presented to employees of Riegel Textile Corp.

She has designed educational programs on nutrition for the Edgefield County Senior Citizen's Council and contributed to the "60 Plus and Going Strong" and Christmas Expo '86 programs.

The award was presented at the association's annual meeting at Greenwood.

Whitherspoon honored

Horry County Extension Director W.D. "Bill" Witherspoon has been elected president of the National Association of County Agricultural Agents.

The NACAA has 7,000 members in 50 states and several U.S. territories. Witherspoon was installed as president at a recent meeting in Fargo, N.D. The group seeks to upgrade the professional level of county agents while learning better ways to assist farmers.

The Florence County native graduated from Clemson and went directly into the Extension Service. He has been in the Horry Extension office for 18 years after working in Dillon and York counties.

Two other South Carolina agents also earned national recognition at the convention. Greg Harvey of Sumter County was named second place winner for public information with a feature story on Clemson's programs which help farmers in crisis situations.

Sumter County Extension director Rowland Alston also was cited for his outstanding radio communications to the public.

Women in Higher Education to meet Oct. 14

The Women in Higher Education Network (WHEN) will meet Oct. 14 at noon in the Clemson Golden Corral.

Guest speaker for the meeting will be Ruth Lennon, speaking on "A Day in the Life of a President's Wife."

WHEN meetings are held on the second Wednesday of each month during the academic year. All women working in higher education are welcome to attend.

For more information, call WHEN Chairperson Fran Massey at 656-3389.

Order TAPS now

If you think this will be a year to remember, you should order your copy of TAPS, the student yearbook, now.

TAPS is anticipating a record demand for its 1988 edition. All persons or departments interested in purchasing copies should contact Winkie Stiles in the Student Development Office at 656-5993.

Cost of TAPS will be $20 until the end of the fall semester, when the price will increase to $25. No orders will be accepted after Jan. 15, 1988.

Phi Kappa Phi to hold fall business meeting

The Clemson chapter of The Honor Society of Phi Kappa Phi will hold its annual fall business meeting Oct. 7 at 2 p.m. in the classroom on the third level of Cooper Library.

All members — especially Phi Kappa Phi members who are new to Clemson and not yet on the local chapter's mailing list — are invited.

Professional Secretaries International to meet Oct. 12

Professional Secretaries International will meet Oct. 12 at 5 p.m. in the Clemson Golden Corral.

All secretaries are welcome to attend.

For more information, call Linda Brady at 656-2249.

Discussion on minority student concerns coming up

A panel discussion on "The Minority Student — Concerns" will be held Oct. 14 from noon to 1 p.m. in the Clemson Room of the Clemson House with lunch provided.

Sponsored by the Teaching Resources and Effectiveness Comrnittee, the discussion is intended especially for new faculty but is open to anyone interested.

For more information, call John Wagner at 656-5024.

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Editor, *Clemson Weekly* ..... Mark Ford
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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Oct. 6, noon, for Oct. 14 issue.**

Staff Commission says:

Employee compensation is budgetary priority

The state should consider human resources its top budgetary priority during the 1988-89 fiscal year, said the Commission on Classified Staff Affairs at its September meeting.

In a letter to President Max Lennon, the Commission responded to the President's request for items of budgetary concern by recommending a three-point classified employee compensation package.

"Classified staff pay programs such as longevity and merit are cut repeatedly by state budget officials in order to have funds for other state priorities," said Pat Padgett, chairperson of the Commission.

"The Commission feels that that the state should take care to avoid further deterioration of the welfare and compensation of state employees and that continued disregard for such vital human resources can prove damaging to future state initiatives."

The package recommends the following:

1) That an adequately funded **merit raise program** be approved for state employees based upon job performance.

2) That a **longevity plan** be approved to reward long-time University employees over and above annual cost-of-living increases. Such a plan calls for a $50 per year payment to employees for each year of service beyond their third year, to be paid on the anniversary of their hire date.

3) And that the following benefits be established or improved:

a) **disability** (to match the benefits of local industry),

b) **retirement** (that the University pay the employee's share of retirement),

c) **leave policies** (to convert sick leave into personal or annual leave after it accumulates past a certain level),

d) **educational oportunities for employees** and their direct descendants (that tuition reimbursements, waivers or discounts be allowed for University employees and their dependents).

In other business, the Commission heard presentations from Dick Simmons of the Personnel Division on employee training programs and from Drew Smith of the Division for Computing and Information Technology on new programs available to University employees for bulk mailings and computer conferencing.

Also, Beth Cook, vice president of Cooper Library's recently established Classified Staff Commission Council, spoke to the Commission on ways to improve communications between the two groups.

Wellness sessions continue through October

Wellness Wednesdays, the lunchtime mini-lectures series on wellness and wellness-related topics, will continue throughout October.

The free meetings, sponsored by the Wellness Program in the College of Nursing and the Personnel Division, are open to all interested persons and will be held every Wednesday at noon in Room 174 of the P&AS Building (unless otherwise specified).

Edgar's Courtyard will provide bag lunches for faculty and staff. Call-in orders will be taken the day of the program and can be placed with Judy Tribble before 10 a.m. at 656-2434 or 656-2494.

The schedule for October is as follows:

Oct. 7
"Learn to Save a Life — The Heimlich Maneuver for Use in Adults and Children"
by Kim Santos, firefighter/paramedic, Clemson University Fire Department

Oct. 14
"Nutrition and Fast Food — May I Take Your Order Please?"
by Libby Hoyle, associate professor of home economics, Extension Service

Oct. 21
"Time Management — Basic Skills for Practical Uses"
by University Counseling Center (speaker to be announced)

Oct. 28
"Working Parents — Life in the Stress Lane"
by Emily Wiggins, family life and human development specialist, Extension Service

Edgar's launches Wednesday Wellness menus

Beginning Oct. 7, you'll see something new each Wednesday on the menus in Edgar's.

In addition to its regular selections, Edgar's will feature a Wednesday Wellness menu, offering low-calorie, high-nutrition foods such as fresh vegetable plates, a vegetable strata or special salad combinations.

Sponsored by ARA, Edgar's, the Extension Service and the Wellness Program, the new menus are the result of a Wellness survey conducted in Edgar's earlier in the month and will be featured on a trial basis for three months.

All foods on the Wellness menus will be 350 calories or less. Also, the nutritonal value of Edgar's standard menu will be posted at the register.

For more information, call Edgar's at 656-2156.

Flag, coat of arms adopted for Centennial

The Centennial designs adopted recently by the Board of Trustees for a flag and coat of arms blend Clemson's official colors — old gold and Northwestern purple — with the more familiar orange and white.

Both use graphic elements as symbols: a stylized mask of a tiger to form the shield, calipers to represent research, an open book to represent teaching and sheaves of wheat to represent the Extension and public service mission. The flag contains nine such symbols in all, representing the nine colleges.

The flag calls on three bars of color to symbolize Clemson's statewide impact: orange to represent the red clay hills of the Piedmont; white to represent the sandhills of mid-South Carolina and purple to represent the sea, or coastal region.

Tourism Invitational set for Oct. 13

Clemson's fourth annual Hospitality and Tourism Invitational will be held Oct. 13 from 9:30 a.m. to 4 p.m. at the Outdoor Laboratory.

Sponsored jointly by the Recreation, Travel and Tourism Institute and the department of parks, recreation and tourism management, the one-day research symposium will explore such topics as first-time vs. repeat visitors to South Carolina, national trends in the hotel industry and coastal tourism development policies in North and South Carolina.

The deadline for registration is next Wednesday, Oct. 7. Registration is $10 and includes lunch and conference materials. Anyone interested in travel and tourism research is invited to attend.

For registration forms or additional information, call 656-3400.

Keep in mind 'Open Forum' guidelines

If you're interested in submitting an entry for "Open Forum," take note of the following guidelines:

1. Every Clemson employee — faculty, staff; on campus, off campus — is eligible.
2. Submissions must be typed, double spaced, and not more than 300 words and must include the author's signature, office address and office phone number.
3. Articles will be edited for length, style, grammar, and consistency.
4. Articles dealing with personal grievances or matters irrelevant to the University community at large or considered libelous or in bad taste will be returned to the authors.
5. Submissions may be sent to "Open Forum" c/o Trustee House, or through any member of the "Open Forum" Committee.

For more information, call 656-3860.

Tulli's helping hands earn her Jefferson Award

by Sharon Jones

Jean Tulli has two full-time jobs. One is as an administrative specialist in the department of continuing engineering education. The other is her work at the Helping Hands emergency shelter for abused children at night and on weekends. Such dedication is what earned Tulli the 1987 Jefferson Award.

The Jefferson Award, sponsored by local television stations, is a national award for community service. Viewers are encouraged to nominate members of the community who have volunteered their services to worthwhile organizations.

Clare Myer, a professor at Tri-County Technical College, nominated Tulli for the award. Myers and Tulli have worked together in several volunteer organizations, including Helping Hands and the Girl Scouts.

"I was thrilled to receive the award because the shelter received a lot of publicity. Hopefully, this will lead to more support from the community," she says.

Tulli's involvement with the emergency shelter began several years ago when she started collecting Christmas presents for children who had been sexually, emotionally or physically abused.

Since then, the project has expanded into a full-time operation providing temporary shelter for abused boys and girls, aged newborn to 18 years.

Currently the shelter is licensed for 24 residents and has a staff of six full-time and three part-time houseparents. Volunteers from the community and students from the University help, tutor and counsel the residents.

Although Tulli spends most of her time working for the University and with Helping Hands, she manages to have some time left for herself.

"Believe it or not, I do lead a normal life. It's not all work. I have a lot of fun with my co-workers at the University and the kids at the shelter," she says.

Tulli relaxes -- briefly -- in her office at the mini-mall.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

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Employees return to school, earn diplomas

Seven Physical Plant employees returned to school and earned high school diplomas recently through a new cooperative education program between the University and Tri-County Technical College.

Samuel R. Bond, Harold E. Duncan, Robert E. Callahan, Carolyn L. Smith, C. Larry Spearman, Joyce Ann Williamon and Darrell Palmer all received General Education Degrees during graduation ceremonies in September.

Sponsored by the Personnel Division in cooperation with Tech and the Pickens County Adult Education Program, the "Education Improvement Program" is a pilot effort designed for University employees.

Classes were held once a week for 10 weeks in Tillman Hall at no cost to the employee or department. Employees attended class for three hours a week and were compensated for their time away from work.

"The students were serious-minded about their studies and did extensive homework assignments," says Nancy Cartee, chairman of the Comprehensive Studies Division at Tri-County Tech. "They were a model group in all aspects, and I'm proud to have worked with them."

Congratulations, graduates!

These seven physical plant employees received general education degrees recently. They are (back row from left to right) Darrell Palmer, Harold E. Duncan, Samuel R. Bond, Robert E. Callahan, (front row from left to right) Joyce Ann Williamon and Carolyn L. Smith. Not pictured is C. Larry Spearman.

Williamon says she was a little skeptical at first but soon realized what a great deal the program is.

"I had to get up my nerve to go back to school," she says, "but it's something I've always wanted to do. I appreciate the opportunity and would recommend it to anyone who's been thinking of going back to school. It was well worth it."

"The program was a huge success, thanks to the great response from the University," says Ray Thompson, director of the Personnel Division. "The adminstration has been extremely supportive. Without this support, the program would not exist."

Thompson says the program will be expanded to all departments on campus this fall, and a computer-assisted tutorial program in Tillman Hall will be available to program participants.

Homecoming to feature 'daytime TV,' Fleetwood Mac

Football, fireworks and Fleetwood Mac highlight this year's Homecoming celebration Oct. 9-11.

The 30th annual Tigerama, the official start of the homecoming weekend, kicks off the festivities Oct. 9 at 7:30 p.m. in Memorial Stadium following a 7 p.m. pep rally. This year's theme is "Daytime TV." In addition, the evening will feature the crowning of the Homecoming queen and her court and a fireworks display.

Tigerama is sponsored by Blue Key Honor Society and WSBF, the student radio station. Clemson alumni Russ Cassell of WFBC radio in Greenville and Jane Robelot of WSPA-TV in Spartanburg will again emcee the event.

Tickets are $1.50 each and will be available at the stadium before the show and in advance at various locations around town.

Rock band Fleetwood Mac will give their only in-state performance this year in Littlejohn Coliseum Oct. 10 at 8 p.m. Cruzados, a West Coast band, will open the concert.

Tickets are $17.75 and are available at the University Union box office and other ticket outlets in the area. Tickets also will be available at Gate 5 of the Coliseum the night of the show.

Remember Fulbright deadline

Faculty members are reminded that proposals for the Fulbright-Hayes selection process should be in final form in the Honors Office by Oct. 9.

Briefly

Dunn named to Foreign Scholarships Board

Political science department head Charles W. Dunn has been named to the Board of Foreign Scholarships by President Ronald Reagan.

Dunn succeeds Jeffrey B. Gayner and will serve through 1990.

Jazz up your fall break

Jazz up your fall break with a trip to New Orleans.

The travel committee of the University Union is sponsoring the trip, which includes transportation by Amtrak, three nights lodging in the French Quarter in the LaSalle Hotel and meals at Cafe du Monde and Arnaud's.

Cost is $190 for adults and $115 for children under 12.

For more information, contact Kathy McManus at 654-7651 or the Union Information Desk at 656-2461. Space is limited.

Author to give reading

Clyde Edgerton, author of "Raney" and "Walking Across Egypt," will be on campus this Thursday at noon to give a public reading in Daniel Hall Auditorium.

For information, call 656-3151.

Send calendar info now

If you've got any items for the University's master calendar, send them to Mark Ford, department of news services, Trustee House.

Skelton named Botherhood's 'Mother of the Year'

Clemson businesswoman Virginia Skelton has been named "Mother of the Year" by Tiger Brotherhood honorary fraternity, which annually presents the award to recognize the contributions mothers make to family life and to the growth and development of their children.

Skelton and her husband, Tom, a professor in the entomology department, have been active members of the Clemson community and strong supporters of the University for almost 30 years. Both are Clemson graduates (as are their three children). Both are members of the Presidents Club, one of Clemson's major academic gift clubs. Virginia Skelton is the group's chairman.

N.C. Shakespeare Festival to perform 'Midsummer Night's Dream'

The N.C. Shakespeare Festival will perform "A Midsummer Night's Dream" Oct. 19 in Tillman Hall Auditorium.

Tickets for the 8 p.m. show are $7 for faculty, staff and the public and $5 for students and senior citizens, and may be purchased at the Union Box Office. A limited number of tickets will be available the night of the performance.

For information, call 656-2461.

Gaiser speaks on chemistry, chemical engineering careers

On Oct. 15, Charles H. Gaiser, vice president of the specialty chemicals division of Lonza Inc., will speak on career possibilities in chemistry and chemical engineering at 11 a.m. in Earle Hall Auditorium and again at 4:30 p.m. in Hunter Laboratory Auditorium.

A native of New York, Gaiser has spent more than 25 years working in the specialty chemicals industry. Currently he is responsible for the worldwide specialty chemicals business for Lonza, a Swiss-based chemical firm.

Gaiser is the first of five speakers scheduled for the 1987-88 Distinguished Chemical Industry Business Seminar sponsored by the College of Sciences and the chemistry department.

Ticket prices increase

Ticket prices for Clemson Players productions will increase slightly this year to compensate for escalating production costs.

The new prices are $2 for faculty and staff, $2 for non-University students and $4 for the public. Clemson students are still admitted free with valid I.D.

For reservations, call 656-2476. Tickets can be purchased the night of the performance and should be picked up at the Box Office an hour in advance.

Alam elected fellow of statistics institute

Mathematics Professor Khursheed Alam has been elected a Fellow of the Institute of Mathematical Statistics.

He was presented the Certificate of Fellowship at the Institute's annual meeting in San Francisco.

Alam, who is also a Fellow of the International Statistics Institute, was cited for "significant contributions to statistical anaylsis and for excellence in teaching."

The Clemson University Newsletter is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Oct. 13, noon, for Oct. 21 Issue.**

World Hunger Awareness Week set for Oct. 12-16

World Hunger Awareness Week begins Oct. 12 and will feature a variety of lectures, plays and conferences designed to inform the University community on many of the issues related to the problem of global hunger.

Throughout the week, a World Hunger Information Center will be set up in the Loggia of the University Union.

On Tuesday, Oct. 13, Joseph Collins, co-founder of the Institute for Food and Development Policy, will speak at 3:30 p.m. on "The Role of Universities Addressing World Food Issues" in Room F-149 of the P&AS Building.

At 7:30 p.m., he will speak in Daniel Hall Auditorium on "U.S. Foreign Aid — Feeding the Poor or Fattening the Rich?"

On Thursday, Oct. 15, the play "A Peasant of El Salvador" will be performed in Daniel Hall Auditorium at 8 p.m. Having received rave reviews, the 90-minute play is a stirring story of how a farmer and his family struggle to maintain their way of life amidst the turbulent events in El Salvador in recent years. Tickets are $2 and are available in the College of Liberal Arts, in the Loggia and at the Clemson Open Book.

Friday, Oct. 16, is World Food Day. A national televideo conference on "Poverty, Hunger and Interdependence" will be broadcast from noon to 1 p.m.

From 1 to 2:30 p.m., there will be discussions on "Developing a Global Perspective for South Carolina" by history Professor Jim Miller, "South Carolina Hunger and Nutrition Issues" by Ruby Cox, state coordinator of the Expanded Food and Nutrition Education Program, and "The United States and Third World Interdependence: A Focus on Current Food Issues" by Keith Scearce of the University of Georgia Cooperative Extension Service.

From 2:30 to 3 p.m., the national broadcast will resume and will be followed by a question and answer session.

The week's events are sponsored by the College of Archtiecture, the Clemson Extension Service, the Strom Thurmond Institute, the vending machine committee, the Spanish club, the Kellogg Foundation, the performing arts department, Students for Social Concern, St. Andrews Catholic Church, the Wesley Foundation, Holy Trinity Episcopal Church, the Clemson Unitarian Fellowship, the Lutheran Student Movement, the Presbyterian Campus Ministry, the Baptist Student Union and the Clemson League of Women Voters.

For more information, call Parr Rosson at 656-3475 or Bob Lippert at 656-2068.

Players to perform 'Threepenny Opera'

The Clemson Players open their season Oct. 6-10 with the musical "The Threepenny Opera."

Performances will be nightly at 8 p.m., with an additional matinee Oct. 8 at 3:30 p.m.

Drama Professor Ray Sawyer, the play's director, says the play was originally produced in Germany. An English adaptation was done in the 1950s but has been updated for this production, since many of the themes are relevant to today's society.

Perhaps the best-known song from the musical score is "The Ballad of Mack the Knife," in which Drama Professor Tony Evans appears as guest artist in that role.

All performances will be in Daniel Hall Auditorium. Tickets are $4 for the public, $2 for Clemson University faculty and staff. There is no admission charge for students.

For reservations, call 656-2476.

University welcomes new associate vice president for advancement services

An expert in management and information systems has joined the University as associate vice president for advancement services.

Charles P. Sullivan, 38, a Fort Mill native with a doctorate in administration and policy analysis from Stanford University, began his duties in the Division for Institutional Advancement last month.

He directs accounting, research and support services for alumni relations, academic fund-raising and public relations programs.

"Charles adds an exciting style of management to our efforts to be of greater service to alumni, friends and donors and to raise more money for academics," says Gary A. Ransdell, vice president for institutional advancement.

Sullivan was assistant director for planning in information technology services at Stanford. He helped develop and lead strategic, business and marketing planning processes for the university and various administrative units.

Sullivan

Before that, he held several positions at Oglethorpe University in Atlanta, where he earned a bachelor's degree. He earned a master's degree from Georgia State University.

Events

October

7
Volleyball: UNC-Charlotte, away (656-2101).

7
Soccer: Berry College, 7 p.m., Riggs Field (656-2101).

8
Volleyball: College of Charleston, 7 p.m., Jervey Athletic Center (656-2101).

8
Lecture: Lynn Harwell. Sponsored by agricultural economics and rural sociology department (656-3225), time and place to be announced.

8
Film: "The Breakfast Club." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.

9
Tigerama. Sponsored by Blue Key and WSBF (656-2153), 7 p.m., Death Valley.

10
Football: Virginia, Death Valley, 12:05 p.m. (656-2101).

10
Homecoming: Alumni Band to perform. Sponsored by Alumni Association (656-2345).

10
Concert: "Fleetwood Mac." Sponsored by University Union (656-2461), 8 p.m., Littlejohn Coliseum, $17.75.

11
Volleyball: Virginia, 2 p.m., Jervey Athletic Center (656-2101).

11
Soccer: South Carolina, 2 p.m., Riggs Field (656-2101).

11
Film: "The Natural." Sponsored by University Union (656-2461), 7 & 9:30 p.m., Y-Theater, students free.

12
Preliminary grades due.

12
Landscape Architecture Discussion, with Robert Marvin, Edward Pinckney, and James Barker. Sponsored by Clemson Architectural Foundation (656-3081), 8 p.m., Lyles Auditorium, free.

12
Meeting: Professional Secretaries International (656-2249), 5 p.m., Golden Corral restaurant. All secretaries welcome.

12
Film: "Moscow Does Not Believe in Tears." Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

12-16
Hunger Awareness Week.
(see story pg. 3)

12-17
ROTC Week.

14
Soccer: Coastal Carolina, 7 p.m., Riggs Field (656-2101).

14
"Birthday Chronicles:" Computer printouts of headlines on your birthday. Sponsored by University Union (656-2461), 11 a.m.-3 p.m., Loggia.

14
Film: "Othello." Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

14
Panel Discussion and luncheon: "The Minority Student Concerns." Sponsored by Teaching Resources and Effectiveness Committee (656-5024), noon-1 p.m., Palmetto Ballroom.

14
Volleyball: Baptist College, 7 p.m., Jervey Athletic Center (656-2101).

Helicopters from the 120th Army Reserve Command at Ft. Jackson took part in an Army R.O.T.C. cadet exercise on Bowman Field recently. Cadets were shuttled from Bowman to the Pickens Bend Range for weapons familiarization.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

OCT 1 1 1987

Trustee and family make major gift

A $700,000 gift and $1 million bequest from a Laurens industrialist will endow a top-level engineering faculty position at the University.

The gift and bequest from P.W. McAlister and members of his family will fund the P.W. and Bobbie McAlister Trustees Chair in Advanced Engineering Materials, named for McAlister and his wife.

A Trustees Chair is Clemson's most prestigious faculty appointment, requiring an endowment of at least $1.5 million. Investment income from the endowment provides the salary and operating budget necessary for the position.

The McAlister Chair will be located in the ceramic engineering department, although the field of advanced engineering materials cuts across many disciplines, including textiles.

"My first success was in the glass container manufacturing industry," McAlister said, "so I wanted to contribute to the future of materials science, both for everyday use and for innovative technology. There's no better way to do that than through Clemson's ceramic engineering department.

"This endowment will allow our College of Engineering to add a faculty member of international reputation in advanced engineering materials research," President Max Lennon said. "The interdisciplinary nature of this field makes it likely that this faculty member will hold a multi-departmental appointment — combining, for example, chemical, mechanical or electrical engineering with fibers and ceramics research.

"An academic support base such as this will catch the attention of industries, who will bring jobs and opportunities with them as they seek to be near where the action is in this exciting new technology."

P.W. McAlister, an Oakway native, is a 1941 Clemson textiles graduate and 1953 University of South Carolina law graduate. He is a life member of the Board of Trustees and former president of Laurens Glass Inc. He became a Trustee in1972 and was Board chairman from 1975 to 1981, the first Clemson alumnus to serve in that capacity.

Congratulations

Four staff members have been named Business and Finance "Employees of the Month" for July and August.

From left are July honorees Ray Smith, data coordinator in the Physical Plant, and Deborah Calhoun, Personnel assistant. Printing services' Jennie Harbin, printing equipment operator, and Norman Durham, printing production manager, were the recipients for August.

Research funding sees drastic increase over last year

Research funding for competitive grants rose 67 percent during the past year, according to the Office of University Research.

From 1985-86, the value of grants and contracts awarded to Clemson faculty came to $11,141,625.

In a report summarizing research activity for the 1986-1987 school term, the value of grants and contracts awarded for research totaled $18,634,151.

Particularly significant increases occurred in the Colleges of Sciences and Engineering.

Research funding in the College of Sciences grew from $2.7 million last year to $6.3 million this year, while funding for the College of Engineering doubled to nearly $5 million.

In 1985, Clemson University ranked 89th out of 3,600 colleges and universities in funding for research activities.

These new figures should boost Clemson's ranking even higher, says Jay Gogue, associate director for university research.

The $18.6 million figure represents the value of contracts awarded to the university and does not include federal or state appropriated funds.

Total expenditures for research from federal, state and local governments and industry came to $41.7 million, Gogue said.

Briefly

Albrecht named honorary state farmer

John Albrecht, livestock specialist at the Pee Dee Research and Education Center, has been named an Honorary State Farmer by the S.C. Future Farmers of America.

Albrecht has been with the Extension Service since 1971 after earning his doctorate from North Carolina State University. He assists county agents with livestock production and marketing programs.

Ashley honored

Extension agent Kathy Ashley of Abbeville received two special honors at a recent meeting of the S.C. Association of Extension Home Economists.

She was presented with a distinguished service award in recognition of nutrition education programs she developed and helped carry out in the county.

She also was presented the 1987 Eggucator award by the S.C. Egg Board for informational programs that included eggs. Ashley also won last year's award.

Fike offers dance lessons

Anyone interested in taking dance lessons can attend classes taught by the Clemson Dancers in the Modern Dance Room in Fike Recreation Center.

Tap is taught on Mondays from 6 to 7 p.m. Tuesday features ballet from 6 to 7 p.m. and jazz from 7:15 to 8:15 p.m.

For more information, call Mable Wynn at 656-2209.

Bruley to speak

Duane Bruley, program director of the National Science Foundation's Biochemical and Biomass Engineering, will discuss research opportunities in biochemical and biomass engineering for faculty and graduate students Oct. 16 at 2 p.m. in Room 100 Earle Hall.

Anyone with an interest in NSF research opportunities is welcome to attend.

Bruley's presentation is one in a series of lectures on research sponsored by the Office of University Research.

Bruley will be available after his presentation to visit with small groups or individuals.

For additional information or to schedule an appointment, call 656-2375.

Indoor tennis facility opens

Beginning Oct. 28, the new indoor tennis facility will be open to faculty and staff who are members of Fike Recreation Center.

For court reservations and schedule information, call the physical training and intramural sports department at 656-2315 or come by the front desk at Fike anytime from 8 a.m. -9 p.m. Monday-Friday, noon-6 p.m. Saturday or 1-8 p.m. Sunday.

Exhibit system available now

A portable exhibition system with general graphics is available free from University Relations to any department wishing to tell its Clemson story in a display format.

The system includes a navy 8-by-8-foot fabric-covered frame, which can be quickly and easily set up and taken down by one person. The exhibit fits into a 15-by-36-inch carying case and weighs about 30 pounds.

Graphics available for use with the system include the University name, logo and four-color photographs.

Custom graphics can be produced for the cost of supplies and photography by the department of publications and graphics services. Arrangements should be made at least a month in advance.

For more information on the system and how to use it, call publications and graphics Director Debbie Dunning at 656-2468.

Ramada runs special

The Clemson Ramada Inn is offering a $1 discount on its lunchtime country buffet to all faculty and staff Oct. 15-30. The buffet, which includes a soup and salad bar, two entrees, vegetables and dessert, is $3.75 with an employee I.D.

And to sweeten the deal, shuttles will run every 15 minutes from the Daniel side of Cooper Library from 11:30 a.m. to 1:30 p.m. each day, Monday through Friday.

For more information, call Jane Ford at 654-7501.

McRee receives distinguished service award

Extension agent Janice McRee was honored for distinguished service to the people of Aiken County during a recent meeting ofthe S.C. Association of Extension Home Economists.

McRee was presented a distinguished service award recognizing the quality of educational programs she prepared to help consumers deal with inflation and stress.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* Is Oct. 20, noon, for Oct. 28 Issue.**

Development office adds three staffers

Three full-time, professional staff members have joined the University Development Office, which directs academic fund-raising programs.

Davy C. Hammatt is now special projects officer, Betty F. McClellan is major gifts director, and Thomas H. Oswald is director of development for the College of Engineering.

Hammatt, a certified public accountant, was an internal auditor for Clemson. She has a bachelor's degree from Wellesley College in Massachusetts and has done graduate work at Clemson.

McClellan had worked in Anderson College's development and alumni affairs programs since 1981, becoming director of development in 1985. She has a bachelor's degree in business administration from Limestone College.

Oswald, who was the College of Engineering's part-time development officer, now has full-time fund-raising responsibilities coordinated through the University's central Development Office. He previously headed the college's Office of Continuing Engineering Education.

Oswald has degrees from Louisiana State University, Auburn University and the Massachusetts Institute of Technology.

"We're delighted to have Tom working with us on a full-time basis for the College of Engineering," says Jeff P. McNeill, associate vice president for development. "We hope this kind of relationship will eventually be possible for the other colleges as well."

McNeill said the three appointments will boost Clemson's ability to attract contributions for academic programs.

"Last year, we raised more money than ever before — more than $7 million," he said, "but that's only a fraction of the private support Clemson will have to have to become one of the nation's leading universities. These new staff members will allow us to launch new efforts and become more aggressive in seeking that support.

"This is the first time in Clemson's history that its development organization is comparable to those of other land-grant universities. We are eager to see how we can perform with players assigned to specific duties."

Before the new appointments, the Development Office had only five professional staff members, including McNeill.

SRC grant boosts semiconductor research

The University's Center for Semiconductor Reliability Research has been bolstered by a $454,000 research grant from the Semiconductor Research Corp., bringing to about $1.5 million the investment SRC has made in the center's research since 1984.

Engineering ProfessorJay Lathrop, director of the center, says the ongoing research involves studying the failure rate of VLSI — Very Large Scale Integration — the technology of cramming an ever-increasing number of circuits onto an ever-shrinking chip for use in everything from automobiles and airplanes to telephones and televisions.

"We're studying the probability of how long these things will last by making them undergo a number of tests," says Lathrop.

He, along with four other faculty members and a dozen graduate students, conduct a variety of experiments on the chips — from placing them in extremely hot ovens, to subjecting them to very high humidity.

"On the average, these are excellent devices that rarely fail. But that's still not good enough, particularly when you're talking about military applications," says Lathrop. "It's essential that integrated circuits don't fail, for instance, in missile guidance systems and in commercial aircraft when a plane has to land in fog," he adds.

Semiconductor Research Corp. is a consortium of 35 high-tech industries conducting reseach on integrated circuits. Several of those firms — including General Electric Co., Texas Instruments Inc., and Harris Corp. — have worked closely with Clemson in developing its research.

During the past year, Clemson introduced courses in VLSI reliability in its electrical and computer engineering department. Four students received master's degrees during the 1986-87 school year after specializing in reliability and all accepted jobs dealing with reliability in the semiconductor industry — at starting annual salaries of about $35,000.

Science editor joins news services

Former newspaper editor and Peace Corps volunteer Susan Turner Lewis has been named science editor in the department of news services.

Turner-Lewis, a University of Georgia graduate, will be responsible for news coverage of Engineering, Sciences, Nursing and forestry.

She formerly was editorial page editor at the Anderson Independent-Mail, where she won several awards for feature writing. She also has worked as a reporter and feature writer for newspapers in Virginia and Georgia.

Most recently, she served as a rural extension agent with the U.S. Peace Corps in Paraguay, where she was responsible for health education programs for women in rural areas and for teaching new cultivation and economic practices to local farmers.

Faculty members receive promotions

The University congratulates its faculty members receiving promotions this year.

The promotions are as follows:

TO FULL PROFESSOR (23 total)

Agricultural Sciences (10)

Glenn P. Birrenkott, Poultry Science

Thomas M. Brown, Entomology

Wilton P. Cook, Horticulture

James H. Daniels, Agricultural Education

Tomas Gimenez, Animal Science

Michael D. Hammig, Agricultural Economics & Rural Sociology

Dale E. Linvill, Agricultural Engineering

Donald G. Manley, Entomology

Charles V. Privette, Agricultural Engineering

John C. Spitzer, Animal Science

Architecture (1)

Yuji Kishimoto, Architectural Studies

Commerce & Industry (2)

John K. Butler, Management

Christine W. Jarvis, School of Textiles

Engineering (1)

Peter R. Sparks, civil engineering

Liberal Arts (4)

Bernard Duffy, English

Dixie G. Goswami, English

Leonard Greenspoon, Philosophy and Religion

Norman Schultz, Psychology

Sciences (5)

Robert M. Geist, Computer Science

Richard H. Hilderman, Biological Sciences

James P. Jarvis, Mathematical Sciences

Edward E. Ruppert, Biological Sciences

Alfred P. Wheeler, Biological Sciences

TO ASSOCIATE PROFESSOR (23 total)

Agricultural Sciences (2)

Gregory M. Clary, Agricultural Economics and Rural Sociology

Karen C. Miller, Extension Home Economics

Commerce & Industry (2)

Roger K. Doost, Accountancy

Eurico J. Ferreira, Finance

Engineering (5)

Donald D. Beasley, Mechanical Engineering

Michael A. Bridgwood, Electrical and Computer Engineering

Earl J. Hayter, Civil Engineering

Elham B. Makram, Electrical and Computer Engineering

Yuan-Fang Zheng, Electrical and Computer Engineering

Forestry (1)

Allan P. C. Marsinko, Forestry

Liberal Arts (9)

W. Jeffrey Burroughs, Psychology

Elizabeth D. Carney, History

Susan Duffy, English

William Maker, Philosophy & Religion

Jo Ann McNatt, Languages

D. DeWayne Moore, Psychology

John W. Ryan, Sociology

Stephen Satris, Philosophy & Religion

Sixto E. Torres, Languages

Library

To Associate Librarian (1)

Kenneth Murr, Reference Unit

To Assistant Librarian (2)

Christopher Gorsuch, Catalogue Unit

Freddie B. Siler, Reference Unit

Nursing (1)

Robbie B. Hughes, Academic Programs

Sciences (3)

Robert J. Kosinski, Biology Program

Jerry Nedelman, Mathematical Science

Roy P. Pargas, Computer Science

FACULTY RECEIVING TENURE (36 total)

Agricultural Sciences (5)

Judith D. Caldwell, Assistant Professor of Horticulture

Mary Elizabeth Kunkel, Associate Professor of Food Science

Thomas E. Schwedler, Associate Professor of Fisheries

Ronald L. Thomas, Associate Professor of Food Science

Jack M. Whetstone, Marine Extension Specialist

Architecture (3)

Lynn G. Craig, Associate Professor of Architectural Studies

Sydney A. Cross, Assistant Professor of Visual Arts & History

Stephen D. Schuette, Associate Professor of Building Science

Commerce and Industry (6)

E. Lewis Bryan, Associate Professor of Accountancy

Eurico J. Ferreira, Associate Professor of Finance

Bhuvenesh C. Goswami, Professor of Textiles

Orren F. Hunter Sr., Assistant Professor of Textiles

William A. Kelly Jr., Associate Professor of Finance

Clark Nardinelli, Associate Professor of Economics

Education (2)

Dennis G. Tesolowski, Associate Professor of Industrial Education

Charles D. Schmittou, Assistant Professor of Industrial Education

Engineering (5)

Michael Bridgwood, Associate Professor of Electrical & Computer Engineering

R. Larry Dooley, Professor of Bioengineering

Joseph L. Hammond, Professor of Electrical & Computer Engineering

Robert J. Schalkoff, Associate Professor of Electical & Computer Engineering

Eric C. Skarr, Assistant Professor of Ceramic Engineering

Liberal Arts (4)

Dixie G. Goswami, Professor of English

Edwin E. Moise, Associate Professor of History

Dennis G. Paz, Associate Professor of History

J. David Woodard, Associate Professor of Political Science

Library (2)

Leslie Abrams, Branch Head, Assistant Librarian

Steven D. Johnson, Assistant Librarian

Nursing (4)

Elizabeth M. Baines, Associate Professor of Nursing

Becky F. Campbell, Assistant Professor of Nursing

Cynthia L. Lenz, Associate Dean for Academic Programs

Syble M. Oldaker, Assistant Professor of Nursing

Sciences (5)

Robert J. Kosinski, Assistant Professor of Biology

Miguel F. Larsen, Associate Professor of Physics & Astronomy

Jerry Nedelman, Assistant Professor of Mathematical Sciences

Roy P. Pargas, Assistant Professor of Computer Science

Mariette V. Ruppert, Assistant Professor of Biology

Departmental notes

Administrative Programming Services

George Alexander (Dir) has been appointed to the Current Issues Committee of CAUSE, the professional association for development, use and management of information systems in higher education. The committee identifies current issues relating to these systems and recommends action.

Agricultural Economics & Rural Sociology

The following papers were presented at the North American Economies in the1990's: An International Symposium meetings in Laredo, Texas, June 17-22:

— **Greg Arburn** (Grad Res Asst), **C. P. Rosson III** (Assoc Prof) and **M. D. Hammig** (Prof), "Exchange Rate Impacts on U.S. Competitive Position in the World Soybean Market."

— **George Davis** (former Grad Res Asst), **M. D. Hammig** (Prof), and **C. P. Rosson, III** (Assoc Prof), "Impact of A European Community Vegetable Oils Tax on U.S. Soybean Exports."

Hammig also participated in a session on Economic Development Issues.

G. M. Clary and **R. L. Harwell** (Assoc Profs) received a $10,000 two-year grant from the S. C. Cattle and Beef Board to study "Marketing Alternatives for S.C. Feeder Calf Procedures."

B. L. Dillman (Prof) presented a paper, "Rural Development Strategy: People vs. Places," to the S. C. Rural Economic Development Workgroup, Aug. 11 in Clemson.

J. C. Hite (Alumni Prof) lectured on "Financing Local Government in South Carolina" at the Municipal Officials Training Institute, S. C. Municipal Association meeting in Charleston, Aug. 5.

Hite also served as a judge in the Municipal Achievement Awards Competition at these meetings on Aug. 7.

Hite presented an invited paper, "People, Resources, and Rural Places: An Assessment of the Capabilities of the Social Sciences in Agriculture," at the Phase I Conference, Social Sciences Agricultural Agenda Project, Minneapolis, Minn., June 7-10.

Hite also presented a paper, "Agriculture and Rural Development Issues in the South: Historical Perspective and Overview," at the Southern Natural Resource Economics Committee Workshop, Knoxville, Tenn., May 10.

J. C. O. Nyankori (Assoc Prof), **C. P. Rosson, III** (Assoc Prof) and **P. J. Rathwell** (Prof) published an article, "Estimates of the Effects of Canadian Tariffs of Fresh Peach Imports from the United States," in the Canadian Journal of Agricultural Economics.

Agricultural Engineering

The following papers were presented at the American Society of Agricultural Engineers (ASAE) meeting in Baltimore, Md., June 28-July 1, 1987:

— "Control of an Orchard Sprayer Based on Electronic Target Sensing" by **D. K. Giles** (Grad Asst) and **R. B. Dodd** (Asst Prof).

— "Displaying Computer Screens with an Overhead Projector" by **F. J. Wolak** (Assoc Prof) and **R. A. Spray** (Prof).

— "Grain Aeration Advisories Via Computerized Network" by **R. A. Spray** (Prof), **J. M. Bunn** (Prof) and **M. J. Buschermole** (Grad Asst).

— "Varietal, Harvest Moisture, and Drying Temperature Effects on Quality Factors Affecting Corn Wet Milling" by **C. L. Weller** (Asst Prof).

— "Guidelines for Developing Human Factors Teaching Modules" by **D.L. Roberts** (Prof).

J. A. Collier (Assoc Prof) presided over a technical session on "Technological Advances in Aquacultural Engineering".

J. Ligon (Prof), **C.F. Armstrong** (Grad Teach Asst), and **M. F. McLeod** (Elec Engr Assoc) presented a paper on "Automated System for Detailed Measurement of Soil Water Potential Profiles Using Watermark Brand Sensors" at the International Conference on Measurements of Soil and Plant Water Status, held in conjunction with the 100th Anniversary of Utah State University, in Logan, Utah, July 6-10, 1987:

Animal Science

L. W. Hudson (Prof and Acting Hd) in conjunction with **J. L. Monroe** (former Grad Stu) and **D. L. Cross** (Prof) presented the paper "Reproductive Failure and Foal Mortality in Mares Consuming Epichloe typhina" during the 10th Equine Nutrition and Physiology Symposium at Colorado State University in June.

Hudson is also director of the Equine Nutrition and Physiology Society.

Aquaculture, Fisheries and Wildlife

Rick Busch (Wildlife Biologist) conducted an advanced landowners' workshop on the management of white-tailed deer in conjunction with the S. C. Wildlife and Marine Resources Department. Prominent wildlife researchers and wildlife biologists gave presentations to more than 200 attendees.

Bioengineering

Christopher L. (Kit) Vaughan (Assoc Prof) was an invited speaker at the First International Symposium on Computer Simulation in Biomechanics held in Warsaw, Poland. While in Europe, he also attended the XIth Congress of the International Society of Biomechanics, presenting a paper entitled "Kinematics of Crawling Applied to Cerebral Palsy Children."

Chemistry

Darryl D. DesMarteau (Prof and Head) was an invited speaker at a conference on fluorine- and heteroatom-containing compounds in Tokyo, Japan, on July 16, 1987. He presented a lecture in "Cyclic Fluorinated Sulfonimides and their Carbon Analogues." While in Japan, he also presented invited lectures on "Recent Advances in Novel Fluorochemicals" at Sagami Chemical Research Center (Tokyo), Okayama University, and four of Japan's leading fluorochemical producers, Central Glass Co. (Tokyo), Daikin Co. (Osaka), Asahi Glass Co. (Yokohama), and Kanto Denka Kogyo (Shibakawa). He was also a guest at the National Chemistry Laboratory for Industry (Tsukuba).

K. Dill (Assoc Prof) presented an invited lecture "13C-NMR Study of the N-acetylneuraminic acid - Gd3+" complex to the physical chemistry of small carbohydrate session at the 8th international symposium on solute-solute-solvent interactions held on Regensburg, West Germany, Aug. 9-15.

Dill also has conducted research during May and June at the Letterman Army Institute of Research in San Francisco, Calif. The research dealt with the interaction of Phenyldichloroarsine with DNA using their state-of-the-art wide-bore nuclear magnetic resonance facilities.

Dill and **R. D. Carter** (former Grad Stu), and **S. Hu** (Grad Stu) have published "13C-NMR studies of the Carbohydrate Portion of Glucoamylase from AspergillusOryzae" in the International Journal of Biological Macromolecules.

J. C. Fanning (Prof) published "Rapid Formation of a Potent Nitrosating Agent by Solvolysis of Ionic Nitrite in Dichloromethane" in Journal of theChemical Society, Chemical Communications with L.K. Keefer (Research Scientist, Frederick Cancer Research Facility).

J.W. Huffman (Prof), **W. P. Liao** (former Grad Stu) and **R.H. Wallace** (Grad Stu) have published "Dissolving Metal Reductions of

Ketones: Comments on the Dianon Mechanisms" in Tetrahedrum Letters.

Civil Engineering

E. J. Hayter (Assoc Prof) presented a paper, "Modeling Cohesive Sediment-Pollutant Interaction in Surface Waters," at the 1987 National Conference on Hydraulic Engineering in Williamsburg, Va, Aug. 5.

Hayter also presented a seminar, "Modeling Cohesive Sediment Transport in Estuaries," at the EPA Environmental Research Laboratory in Athens, Ga., Aug. 14.

Engineering, Dean's Office

Russell H. Brown (Prof and Interim Assoc Dean) attended the RILEM conference at the Technical Institute in Prague, Czechoslovakia, in July. He was invited to present a new test method he developed for the U.S. counterpart organization. The trip was sponsored by the National Science Foundation and the Masonry Society.

J. Charles Jennett (Dean) received the 1987 "Outstanding Alumnus Award" from the College of Engineering, University of New Mexico, Albuquerque, N.M. Jennett earned his Ph.D. at the University of New Mexico in 1969.

Elementary & Secondary Education

G. F. Elrod (Vstg Asst Prof) presented two papers at the Annual South Carolina Vocational Conference in Columbia: "The Benefits of Career Development/Pre-vocational Education for Handicapped/Disadvantaged Students" and "Career Guidance and the Exceptional Child."

English

Bernard K. Duffy (Prof) and **Martin Jacobi** (Asst Prof) received an award from the Southern Regional Education Board to support research for a book on Richard M. Weaver.

Duffy also published "The Rhetoric of Ezra Pound's World War Two Radio Broadcasts" in Rendezvous 22 (1986).

In addition, he and H. R. Ryan (of Washington and Lee University) published American Orators of the Twentieth Century: Critical Studies and Sources, 1987.

Carol Johnston (Asst Prof) published Thomas Wolfe: A Descriptive Bibliography, 1987.

D. L. Shealy (Vstg Asst Prof) co-authored "Louisa May Alcott on Vacation: Four Uncollected Letters" in Resources for American Literary Study, 14 (Spring and Autumn 1984).

Entomology

P. M. Horton (Assoc Prof) presented an invited paper entitled "Current Fire Ant Research in the Southern United States" at the Southern Legislative Conference in Little Rock, Ark., on August 16.

Horton also served as a panel member discussing "Agriculture Pests and Pesticides: The New Farm Dilemma?"

Horton also represented the Extension Service/USDA at the national meeting of the States-FIFRA (Federal Insecticide, Fungicide and Rodenticide Act) Issues Research and Evaluation Group (SFIREG) on July 20-21, 1987 in Washington, D.C.

He also served as an advisor to EPA's Strategic Workshop on Agricultural Chemicals in Groundwater held in Berkley Springs, W. V., July 22-24.

J. C. Morse (Prof) and **R. W. Holzenthal** (former Grad Res Asst) published a paper entitled "Higher Classification of Triplectidinae (Trichoptera: Leptoceridae)," in Proceedings of the Fifth International Symposium on Trichoptera.

T. E. Skelton (Prof) attended the 7th National Workshop on Teaching Entomology in Woodland Park, Colo., Aug. 2-5, 1987.

Environmental Systems Engineering

T. J. Overcamp (Prof) and **R. A. Fjeld** (Assoc Prof) published "A Simple Approximation for Estimating Centerline Gamma Dose Rates Due to a Continuous Gaussian Plume," in Health Physics, August, 1987.

Experimental Statistics

W. C. Bridges, Jr. (Asst Prof) presented a paper entitled "Comparison of Subsetting Strategies for Jackknife Estimators" with S. J. Knapp, Oregon State University, at the annual meeting of the American Statistical Association in San Francisco, Aug. 17-20.

Bridges and Knapp also published "Probabilities of negative estimates of genetic variances" in Theoretical and Applied Genetics.

In addition, Bridges also presented "Estimation of Genetic Parameters" at the annual meeting of the NCR-21 Technical Committee on Quantitative Genetics in Columbus, Ohio, July 9-10.

Fertilizer and Pesticide Control

Von McCaskill (Head) was elected president of the American Association of Pesticide Control Officials at its 41st annual meeting in Oklahoma City, Okla., Aug. 5-7, 1987.

Food Science

C. V. Morr (Stender Prof) received a 1987 Award for Outstanding Paper Presentation from the American Oil Chemists' Society for his paper "Current Status of Soy Protein Functionality in Food Systems" at the AOCS meeting, New Orleans, La., May 17-21.

He presented a symposium paper on "Beneficial and Adverse Effects of Water-Protein Interactions in Selected Dairy Products" at the American Dairy Science annual meeting, Columbia, Mo., June 22-26.

Morr also chaired the Dairy Technology Group and co-chaired a one-day symposium on "Dairy Ingredients for the Food Industry: Technological, Nutritional and Legal Aspects" and "Functionality of Dairy Ingredients in Formulated Food Products" at the Institute of Food Technologists' annual meeting, Las Vegas, Nev., June 16-19, 1987.

In addition, Morr has had two papers published: "The Effect of HTST Pasteurization of Milk, Cheese Whey and Cheese Whey UF Retentate upon the Composition, Physicochemical and Functional Properties of Whey Protein Concentrates" Journal of Food Science, and "In Vitro Digestibility of Phytate-reduced and Phenolics-reduced Soy Protein Isolates" Journal of Food Science.

Forestry

D. C. Guynn (Prof), S. Demarais (Texas Tech Univ), H. A. Jacobson (Mississippi State Univ.) have published "Effects of Season and Area on Ectoparasites of White-Tailed Deer (Odocoileus Virginianus) in Mississippi" in Journal of Wildlife Diseases 23(2), 1987.

J. L. Haymond (Asst Prof) presented "Opinion leaders in the nonindustrial private forestland owners social system: a test of diffusion of innovations methodology," co-authored with **E. L. McLean**, (Prof and Acting Head, ag econ and rural sociology) at the 1987 Annual Meeting of the Rural Sociological Society at the University of Wisconsin, Aug. 12-15, and served on the steering committee for the 1988 Symposium for Social Science in Resource Management to be held at the University of Illinois, June 6-10, 1988.

S. M. Jones (Research Forester) and **B. R. Smith** (Assoc Prof, agronomy and soils) published "A Taxonomic Key to Soils of the Blue Ridge Mountain and Piedmont Physiographic Provinces in South Carolina" as Dept. of Forestry Bulletin No. 53, June 1987.

A. W. C. Lee (Asst Prof) was elected chairman of the Carolinas-Chesapeake Section (which includes North and South Carolina, Virginia, West Virginia, Maryland, and the District of Columbia) of the Forest Products Research Society at the annual meeting in Louisville, Ky., in June 1987.

F. H. Tainter (Prof), G. M. Weste (Univ. of Melbourne) and P. A. Mistretta (US Forest Service) published "Annotated Bibliography of Littleleaf and Tree Decline Diseases Caused by Phytophthora cinnamomi Rands" as Department of Forestry Technical Paper No. 18.

M. A. Taras (Prof and Head) was elected Vice President of the Forest Products Research Society (FPRS) at the annual meeting in Louisville, Ky. FPRS is an international research and educational association with more than 3,000 professional forest products specialists in the United States, Canada and 43 other countries.

D. H. Van Lear (Bowen Prof) and T. A. Waldrop (U.S. Forest Service) published "Current Practices and Recent Advances in Prescribed Burning" in Proceedings: Southern Forestry Symposium in Atlanta, Ga.

Van Lear and **M. K. Augspurger** (Ag Sci Assoc) presented a poster paper concerning effects of prescribed burning in steep terrain on soil erosion at the Soil Conservation Society of America's annual convention in Billings, Mont., Aug. 2-5, 1987.

Van Lear also has been elected as Silviculture Subject Area Representative on the Forest Science and Technology Board of the Society of American Foresters. The three-year term will begin Jan. 1, 1988.

Industrial Education

Clint Isbell (Assoc Prof) presented an invited paper entitled "Vocational Education - 1998" at the S.C. Vocational Education Summer Conference in Columbia, July 29.

Languages

Edwin P. Arnold (Asst Prof, German) recieved a grant from the West German Federal Ministry of Inter-German Affairs to help defray travel expenses of the 10-day trip to the German Democratic Republic (East Germany) May 29-June 8 as part of the German Study Abroad Program.

Jo Ann McNatt (Assoc Prof, French) attended the annual meeting of the national AATF in San Francisco July 1-5 and made a presentation entitled "Roger Vailland and Louis Daquin: Two Communists at the Movies."

McNatt also was elected secretary-treasurer of the S.C. chapter of the American Association of Teachers of French (AATF) at its spring meeting in Columbia.

In addition, McNatt published in Contemporary French Civilization (Spring/Summer 1987) a review article of four books: Elizabeth Vailland, Drole de Vie, Une passion avec Roger Vailland (Lattes, 1984) and three books by Roger Vailland published by Messidor/ Editions Sociales Chronique des annees folles a la Liberation (1928-45), 1984; Chronique d'Hiroshima a Goldfinger (1945-65), 1984; and La Visirova, ou des Folies Bergeres jusqu'au trone, 1986.

Helene M. Riley (Prof, German) published the review "The Wellsprings of Literary Creation. An Analysis of Male and Female 'Artist Stories' from the German Romantics to American Writers of the Present" (Mahlendorf) in Colloquia Germanica (1986).

Library

Maureen Harris (Associate Librarian) attended the Mid-Triennial Conference for the Southeastern Region of The Honor Society of Phi Kappa Phi, July 30 through Aug. 1, in Atlanta, Ga. Harris was recently elected secretary of the local chapter.

Mechanical Engineering

Mehdi Ahmadian (Asst Prof) presented a paper, "A New Method for Finding Symmetric Form of Asymmetric Finite-Dimensional Systems," at the 1987 ASME Applied Mechanics, Bioengineering, and Fluid Engineering Conference in Cincinnati, Ohio.

Richard S. Figliola (Assoc Prof) attended the 24th ASME/AICHE National Heat Transfer Conference in Pittsburgh, Pa., Aug. 10-12, where he chaired a session on "External Forced Convection and Conduction Heat Transfer" and co-chaired a session on "Natural Convection."

In addition, Figliola presented the paper "A Model for Particle Convection Heat Transfer in a Bubbling Fluidized Bed of Mixed Particle Sizes," co-authored by **D. E. Beasley** (Assoc Prof), **J. A. Khan** (Grad Asst) and **M. Chockraborty** (Grad Stud), during a session on "Fluidized Bed Heat Transfer."

James A. Liburdy (Prof) presented the paper "Buoyancy Effects in Laminar Impinging Jets," co-authored by **T. D. Yuan** (Grad Asst) and **T. Wang** (Asst Prof) at the National Heat Transfer Conference, Aug. 9-12, in Pittsburgh, Pa. He also made the presentation, "Application of Holographic Interferometry to 3-D Convective Heat transfer" co-authored by **S. Bahl** (Grad Asst) at the same conference.

News Services

Dave Crockett (Broadcast Editor) was elected president of the College News Association of the Carolinas at its summer meeting in July.

Parks, Recreation and Tourism Management

M. Uysal (Asst Prof) J. L. Crompton (Texas A&M Univ.) and I. S. Reid (Canada) published "Empirical Identification of Product Life-Cycle Patterns in the Delivery of Municipal and Recreation Services" in Journal of Park and Recreation Administration 5 (1), 1987.

He also published with **R. McLellan** (Prof) "Recreation and Park Congress" in Annals of Tourism Research 14(2), 1987.

R. Howell (Assoc Prof) was one of 68 North Americas named recently as members of the National Tour Association's official Speakers Bureau.

Howell, with **Tom Potts** (Asst Prof), had published "Festivals are Big Business in South Carolina" in the August issue of the South Carolina Business Journal.

F. A. McGuire (Assoc Prof), along with R. MacNeil, M. Teague (University of Iowa) and J. O'Leary (Purdue University) published "Aging and Leisure" in A Literature Review: The President's Commission on Americans Outdoors , a U. S. Government Printing Office publication.

Charlie R. White (Assoc Prof) has been elected President of the Southeastern Section of the American Camping Association. The section includes more than 300 individual members and 110 member camps in South Carolina, North Carolina, and Georgia. White will assume office in January 1988.

Performing Arts

Susan Duffy (Assoc Prof) published "Using News Magazines to Stimulate Topic Choices for Speeches" in Speech Communication Teacher, Summer 1987.

Physical Plant

C. Gary Pringle (Supt of Buildings) published an article on "Your Advantage, Dr. Fike" in the August issue of American Schools and Universities national magazine.

Physics and Astronomy

J. A. Gilreath (Assoc Prof) was a presenter in the demonstration session at the American Association of Physics Teachers Meeting in Bozeman, Mont.

He also chaired a session.

A. L. Laskar (Prof), **K. V. Reddy** (Vstg Assoc Prof) and **G. Popson** (Grad Student) published "Diffusion of Cesium, Cerium and Sulfur in Silver Halides and Size Effect of the Solutes" and "Progress in Basic Principles of Imaging Systems," Proceedings of the International Congress of photographic Science, Koln, Germany, 1986.

J. R. Ray (Prof) presented an invited paper entitled "Molecular Dynamics Calculations to Study Structural Phase Transformations in Solids" at an International Conference at Argonne National Laboratory on Electronic Structure and Phase Stability in Advanced Ceramics.

Ray, L. Smalley (NASA-UAH, Huntsville) and J. Krish (University of Michigan) have published the paper "Spinning Fluidsin General Relativity. II. Self Consistent Formu-

lation" in Physical Review D, May 1987.

R. C. Turner (Prof) participated in the meeting of the American Association of Physics Teachers in Bozeman, Mont., where he presented a workshop entitled "Have Physics, Will Travel" and participated in the planning of future meetings as a member of the Committee on Science Education for the Public.

Turner also was an invited participant at the 1987 Inter-American Conference on Physics Education in Oaxtepec, Mexico, where he presented an invited lecture-demonstration on "Toys in Physics Teaching;" presented an invited lecture on "Experimental Work in Physics Education;" served as a working-group leader on the same topic and agreed to serve on an international information exchange network to improve high school and college physics laboratory education.

In addition, Turner has been invited to be a member of the planning committee for the organization.

Plant Pathology and Physiology

Donnell W. Guy, Jr. (former Grad Asst) and **S. A. Lewis** (Prof) published a paper entitled "Selective Migration and Root Penetration by Meloidogyne incognita and Hoplolaimus columbus on Soybean Roots in vitro" in Journal of Nematology, 1987.

Guy and **S. A. Lewis** (Prof) published a paper entitled "Interaction between M. incognita and Hoplolaimus columbus on Davis Soybean" in Journal of Nematology, 1987.

Professional Development Office

Ann F. Gilreath (Adminstrator of In-house Programs) presented "Timely Tips on Effective Time Management" at the 1987 Technical Seminar of the Processed Apples Institute at the Hyatt Regency in Greenville, May 18.

Psychology

T. R. Alley (Asst Prof) presented "Lateral Hand Preference, Psychological Gender, and Sex Differences in Carrying Style" at the 79th annual meeting of the Southern Society for Philosophy and Psychology, April 17, in Atlanta.

Sociology

Kinly Sturkie (Assoc Prof), **Larry Peppers** (Assoc Prof) and **John Ryan** (Assoc Prof) recently completed a $92,520 training grant for the S.C. Department of Social Services. **Carl Lovitt** (Vstg Assoc Prof, English) also participated in the training.

B. J. Vander Mey (Asst Prof) recently published a review of Delbert S. Elliott et al.'s Explaining Delinquency and Drug Use in Deviant Behavior.

Vander Mey also published a review of Diana E. H. Russell's The Secret Trauma: Incest in the Lives of Girls and Women in a recent volume of The American Journal of Sociology.

Mervin F. White (Assoc Prof), Terry C. Cox (Eastern Kentucky University), and Capt. William D. Lewis (Kentucky State Police, Ashland Post) presented "Police Perceptions of Hostility from College Students" at the annual meetings of the Academy of Criminal Justice Sciences in St. Louis, Mo., in March.

Undergraduate Studies

Jack Stevenson (Dir) published "The Angel Within" in "Concepts '87," the Golden Key National Honor Society 10th Anniversary issue. The article was condensed from the keynote address at the chartering reception of the Clemson University Golden Key Chapter in April 1986.

Visitor Programs

John Allen (Dir) published an article on "Thomas Green Clemson and the Founding of Clemson University" published in the June issue of the United Daughters of the Confederacy national magazine.

Events

October

15
Concert Series: Tonkunstler Orchestra of Vienna. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

15-17
Film: "Star Trek IV: The Voyage Home." Sponsored by University Union (656-2461), 7 & 9:30 p.m., Y-Theater, $1.75.

16
Derby Day (656-2153).

16-17
Edgar's: "Formula 7." Sponsored by University Union (656-2461), 9p.m.-midnight, $1.

17
Football: Duke, Death Valley (Hall of Fame day, pre-game show by the U.S. Army Golden Knights parachute team), (656-2101).

17
Volleyball: University of Pennsylvania, 7 p.m., Jervey Athletic Center (656-2101).

17
Swimming: Orange and White, Fike pool (656-2101).

17
Hot Air Balloon Rides. Sponsored by University Union (656-2461), Bowman Field, free.

18
Whitewater rafting trip: Ocoee River. Sponsored by University Union (656-2461).

18
Film: "Willy Wonka and the Chocolate Factory." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

18
Soccer: N.C. State, away (656-2101).

19
Short Course: Bartending. Sponsored by University Union (656-2461), 7-9 p.m., $7.50.

19
Film: "The Situation." Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

Clemson
WEEKLY
Vol. 27, No. 10 Oct. 21, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Management department gets its largest contract

IBM has awarded research contracts valued at $705,000 to the management department to establish a laboratory and conduct research into practical applications of expert systems for businesses and business schools.

"These are the largest research contracts in the department's history," says Michael Stahl, head of the management department. "We look forward to duplicating our success with IBM, as demonstrated in previous projects, and joining with them as partners in progress in our mission to support the business environment and prepare our graduates for the future business world."

The department's recent success in developing instructional programs based on the Manufacturing Accounting and Production Information Control System (MAPICS) for IBM is the major reason Clemson was chosen for the project.

Charles McNichols, management professor and key researcher for the projects, explains the significance of the contracts. "Expert systems involve the application of artificial intelligence technology. Historically, computers have only stored and retrieved information. Artificial intelligence, getting computers to exhibit behavior which appears intelligent to humans, has been a research topic for more than 30 years. However, our research will focus on the practical applications of artificial intelligence in the form of expert systems used in the business world and in business schools.

"The heart of an expert system is a knowledge base — a collection of facts and relationships among these facts. By giving computers some of the attributes of a human expert or consultant, they can ask questions and make recommendations based on the answers to these questions, using information from their knowledge bases."

McNichols says specific areas where expert systems can be used include diagnosis (such as maintaining equipment after dialogue with the computer), configuration (such as designing a computer system with compatible parts), and training (such as special tutoring).

The management department's research and work will take two directions, says Stahl. "We will be looking for new applications for this technology in relevant business areas and integrating this kind of material into business school educational programs. We will be teaching expert systems to business students who are not computer experts.

"Business applications and education are complementary. Expert systems offer companies ways to use the computer in competitive areas and give students another way of looking at the use of computers for business purposes."

The IBM project, which will include an IBM 4341 mainframe and an expert systems computer lab for research and teaching, is a collaborative effort between the management department and various IBM units in Greenville, Atlanta, and the Research Triangle Park in North Carolina.

Harold Crane and Terry Moore of the Physical Plant's sheet metal and roofing shop repair a leak in one of the skylights in the Union Plaza.

Fall break is Oct. 26-27

Remember that Oct. 26-27 is fall break, and the University will be closed.

Also, there will be no Clemson Weekly published Oct. 28. The next issue will be Nov. 4.

Briefly

Make-up scholarship deadline is Nov. 1

Applications are still available for this year's make-up scholarship period.

The deadline to apply is Nov. 1.

Forms can be obtained in the Financial Aid Office, G01 Sikes Hall. Students who previously applied for 1987-88 scholarships by the Feb. 23 deadline will automatically be considered and need not re-apply. However, students should contact the Financial Aid Office to verify their date of application.

For more information, call 656-2280.

Thornhill hosts Halloween 'trick or treating'

Thornhill Village invites all children of faculty and staff to come trick or treating Oct. 31 between 7 and 9 p.m. Participating apartments will have orange and black pumpkins attached to their front doors. Please do not leave children unattended.

For more information, call Tony McGuirt at 656-4620 or Lamesha Kitchings at 656-4595.

Panel to discuss students' intellectual development

A panel discussion on "Intellectual Development of the College Student" and a Dutch-treat luncheon will be held Nov. 4 from noon to 1 p.m. in the Palmetto Ballroom.

Sponsored by the Teaching Resources and Effectiveness Committee, the program is intended for new faculty but is open to all interested persons.

For more information, call John Wagner at 656-5024.

Japanese delegates tour

A delegation of 17 Japanese representatives will be touring campus Oct. 27 and 28 in a preliminary study to consider the possibility of establishing a branch of Clemson University in Japan.

The delegation represents various municipalities throughout Japan that are considering funding the construction of American university branch campuses in that country.

Bobby Wixson, dean of the College of Sciences, is coordinating their tour.

Jennett named to nuclear advisory council

Dean of Engineering J. Charles Jennett has been named to the S.C. Nuclear Advisory Council by Gov. Carroll Campbell.

Created in 1980, the council provides the governor with advice and recommendations regarding issues involving the nuclear industry and nuclear waste management.

The council is made up of five members — one each representing the environmental protection community, nuclear power, the scientific community, university community, and an at-large appointee.

Jennett's expertise lies in the field of industrial-waste treatment and management.

Personnel hosts conference

The Personnel Division will host the second meeting of the Southeastern Association of the Big Ten Nov. 3-4.

Representatives from Duke University, Vanderbilt University, the University of Virginia, Georgia Institute of Technology, Emory University, the University of Georgia, North Carolina State University, the University of South Carolina, the University of Alabama at Birmingham and Clemson will be on hand in an effort to keep abreast of national and regional trends in personnel administration.

Clemson Personnel Director Ray Thompson will chair the conference, which will feature presentations on AIDS in the workplace, enhancing productivity, classification and compensation trend, and employee benefits and training packages.

Pyschiatrist to lecture on hyperactive children

The diagnosis and treatment of hyperactive children will be the topic of an Oct. 30 lecture by Psychiatrist Peter S. Jensen, chief of child, adolescent and family psychiatry service at the Eisenhower Army Medical Center's department of psychiatry and neurology.

His talk, sponsored by the psychology department, is entitled "Attentional Deficit Disorder" and will be given at 2:30 p.m. in Room 327 Brackett Hall. All interested persons are invited to attend free of charge.

For information, call 656-3210.

Engineering seminar series continues through October

Two speakers will be on campus in late October as part of the Electrical and Computer Engineering Distinguished Speaker Seminar Series.

On Oct. 22, Stanley Klein of ORI Inc. will speak from 2-3 p.m. in Room 101 Riggs Hall.

On Oct. 28, R. Gonzalez of Per-

The Clemson University Newsletter is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* Is Oct. 28, noon, for Nov. 4 Issue.**

ceptics Inc. will speak from 11 a.m. to noon in Room 302 Rhodes Hall.

For information, call 656-3190.

YMCA offers after-school day care program

The Clemson YMCA offers an after-school day-care program for children in first through sixth grades.

Children will be picked up from area schools (Morrison, Central, Pendleton and Ravenel Elementary) and kept until 6 p.m. The program includes outdoor activities and instruction in areas such as gymnastics, Spanish and arts and crafts two days a week, as well as occasional field trips. Homework time and afternoon snacks are made available daily.

The program is staffed by one adult and seven college-age counselors. The cost is $78 a month and includes daylong day care during teacher in-service training days.

For more information, call Lorrie Jones at 656-2460.

Facilities Committee will meet Oct. 22

The next scheduled meeting of the Facilities Planning Committee will be Thursday, Oct. 22, at 9 a.m. in the Board Room of Sikes Hall.

President's Council meets Oct. 30

The next scheduled meeting of the President's Council is Oct. 30 at 3 p.m. in the Senate Chambers of the University Union Complex.

Open enrollment deadline for insurance approaching

Oct. 30 is the open enrollment deadline for coverage changes in state health insurance, health maintenance organizations and dental insurance programs. During this time, employees may add or delete coverage of spouses or dependents.

Employees also may elect to (or elect not to) participate in the University's cafeteria plan for payroll deductions. Participation in the plan requires that any family-status coverage changes be made within 31 days of the change, or else employees will have to wait until the next open enrollment period.

All changes will go into effect Jan. 1, 1988.

Also on Jan. 1, the state dental benefit plan will go to a two-year enrollment period. After this month's enrollment, employees will not be able to add or drop dental coverage until October 1989, unless they experience a change in family status.

Get away to New Orleans during fall break

Jazz up your fall break with a trip to New Orleans.

The travel committee of the University Union is sponsoring the trip, which includes transportation by Amtrak, three nights lodging in the French Quarter in the LaSalle Hotel and meals at Cafe du Monde and Arnaud's.

Cost is $190 for adults and $115 for children under 12.

For more information, contact Kathy McManus at 654-7651 or the Union Information Desk at 656-2461. Space is limited.

Agricultural Communications has new broadcast editor

Shawn Delong, a former news reporter for radio and television stations in Louisiana and Wisconsin, has been named broadcast editor for the agricultural communications department.

She will cover activities of the Clemson Extension Service and the S.C. Agricultural Experiment Station for broadcast media. She also will produce a daily radio program of agricultural news from Clemson which will be carried by the S.C. Network.

A native of Spokane, Wash., she earned a bachelor's degree in broadcast journalism from Washington State University. She has worked as a news reporter in commercial and public radio stations in Racine, Wis.

From radio Delong moved into television as a general assignment reporter for KLFY, the CBS affiliate in Lafayette, La.

Deadline nears for University research grants

Applications for University Research Grant Committee funds are due in the Office of University Research (E-102 Martin Hall) by Nov. 30.

The committee accepts applications from faculty holding tenure and tenure track positions. Application forms and instructions are available on request. Only applications using current forms will be considered.

The committee makes awards to new faculty, to faculty redirecting research interests and to faculty in areas where research support is inadequate or non-existent.

For more information, call University Research at 656-2375.

Telephone numbers listed incorrectly in directory

Several numbers were listed incorrectly in the campus telephone directory. Please make these corrections:

The number for *Clemson Weekly* (the University Newsletter) is 656-3860. The address is the Trustee House (not 103 Fike Center).

The number for the University Master Calendar is also 656-3860.

The number for Buford E. Trent, director of the University Union, is 656-2461.

Send master calendar items to Trustee House

If you've got any items for inclusion in the University's master calendar, send them to Mark Ford, department of news services, Trustee House.

Wellness Wednesdays set for November

Wellness Wednesdays, the lunchtime mini-lectures series on wellness and wellness-related topics, continues throughout November. The free meetings, sponsored by the Wellness Program in the College of Nursing and the Personnel Division, are open to all interested persons and will be held every Wednesday at noon in Room 174 of the P&AS Building (unless otherwise specified).

The schedule is as follows:

Nov. 4
"Healthy Heart Cooking Tips" by Rose Davis, associate professor of home economics, Clemson Extension Service

Nov. 11
"Working Parents — Life in the Stress Lane" by Emily Wiggins, family life and human development specialist, Clemson Extension Service

Nov. 18
"Nutrition and the Athletic Person" by Kate Thompson, ARA Services

Tuesday, Nov. 24
"How to Make and Use Accessories for Holiday Gifts" by Judith Kline, associate professor of home economics, Clemson Extension Service

Edgar's Courtyard will provide bag lunches for faculty and staff. Call-in orders will be taken the day of the program and can be placed with Judy Tribble before 10 a.m. at 656-2434 or 656-2494.

Wellness schedule changes

There will be a program change for the regularly scheduled Wellness Wednesday Oct. 28.

The presentation on Oct. 28 will be on "The Cholesterol Issue — Can You be Fooled?" by Kathy Ward, R.N., graduate student in the Wellness Program.

For more information, call Lynn Lesley at 656-5520.

Faculty, staff have chance to make 'Tiger Tracks'

University walking enthusiasts who enjoy non-competitive group walking are invited to attend "Tiger Tracks," a six-week program jointly sponsored by the Wellness Program in the College of Nursing and the Personnel Division.

Participants can meet with the group of their choice at the time of their choice. The individual goal is to walk twice a week with a group. Walks will be a half hour with individual routes chosen by group leaders.

As with any exercise program, if you've been inactive for awhile and are over age 35, please check with your physician before beginning the walking.

The Tiger Tracks schedule is as follows:

Monday
7 a.m. .....Front of Fike
11:30 a.m .....Lehotsky breezeway
Noon .....College of Nursing
12:10 p.m. .....Main Library Entrance

Tuesday
9:30 a.m..Manning Hall bulletin board
12:05 p.m. .....Jervey Athletic Center
12:15 p.m. .....Lehotsky breezeway
2 p.m. Bulletin Board at Manning Hall

Wednesday
7 a.m. .....Front of Fike
Noon .....College of Nursing
12:10 p.m. .....Main Library Entrance
12:30 p.m. .....College of Nursing

Thursday
9:30 a.m. Manning Hall bulletin board
11:30 a.m. .....Lehotsky breezeway
12:15 p.m. .....Lehotsky breezeway
12:15 p.m. .....Front of Fike
2 p.m. .....Manning Hall bulletin board

Friday
7 a.m. .....Front of Fike
Noon .....College of Nursing
12:05 p.m. .....Jervey Athletic Center

For more information, call Lynn Lesley at 656-5520.

Doernberg to speak on Alzheimer's

Ray Doernberg was the successful vice president of an architectural design firm. But by age 46, he was noticeably confused and disoriented. His sense of direction deteriorated. He had problems handling money.

He literally was losing his mind.

Myrna Doernberg's husband died at age 47 of Binswanger's disease, a rare form of dementia resembling Alzheimer's disease.

She has since written a highly acclaimed book about the trauma — Stolen Mind: The Slow Disappearance of Ray Doernberg.

She is the keynote speaker at the College of Nursing's Caregiver Support Conference here on Nov. 7 in McAdams Hall at 10 a.m.

The conference is an effort to help educate and offer support to those who know someone suffering from Alzheimer's disease.

Dr. Charles Still, director of the C.M. Tucker Human Resource Center in Columbia, will speak on the "Medical Care of Persons with Alzheimer's" at 11:10 a.m.

The Rev. Gerald Welch will present his thoughts on psychosocial counseling for caregivers at 1:35 p.m., and at 2:15 p.m. a panel of five — including faculty members, guest speakers and Clemson physician William Hunter — will discuss the overall concept of caregiving.

There is a $10 registration fee. For more information call 656-5518.

Fall enrollment figures show record numbers

The University's final fall enrollment figures show a record 13,865 students enrolled for the 1987-88 academic year, up 803 from last year.

Of that number, 10,863 are undergraduate students, and 2,007 are graduate students. Additionally, 995 are enrolled off-campus.

Fall enrollment figures also reflect the largest freshman class in Clemson's history, 2,818 (a 25 percent increase over 1986), and the largest number of South Carolinians ever to enroll in the freshman class at the University, 1,630.

Calhoun College, the undergraduate honors program, also enrolled a record 584 students, up 20 percent from last year. Its freshman enrollment (202 this year as opposed to 130 last year) marked a greater percentage increase than overall freshman enrollment.

Calhoun College, the oldest and largest honors program in South Carolina, is celebrating its 25th anniversary this year.

Once again, Clemson freshmen had the highest average Scholastic Aptitude Test score — 1,028 — of any state-supported institution in South Carolina.

High-school performance continues to be the best indicator of success in the freshman year, Clemson officials say. This year, 33 percent of the new freshman class ranked in the top 10 percent of their high school classes, 57.5 percent in the top 20 percent, and 93 percent graduated in the top 50 percent of their high school classes.

"We also experienced a record-setting year in terms of the number of students presenting advanced placement scores, the number of students receiving credit and the total number of credit hours awarded," says Frank Gentry, executive assistant to the dean of admissions and registration.

Looking ahead to the fall of 1988, Gentry is optimistic, with good reason. "Based on the number of preliminary applications on file, we anticipate another successful year admissions-wise," he says. "Preliminary applications number 7,302, a 27 percent increase over this year."

Indoor tennis facility opens Oct. 28

Beginning Oct. 28, the new indoor tennis facility will be open to faculty and staff who are members of Fike Recreation Center.

For court reservations and schedule information, call the physical training and intramural sports department at 656-2315 or come by the front desk at Fike anytime from 8 a.m -9 p.m. Monday - Friday, noon-6 p.m. Saturday and 1-8 p.m. Sunday.

Heintze named new admissions director

Michael R. Heintze has been appointed the University's director of admissions.

Heintze, an adjunct associate professor of history, has served as associate director of admissions here since 1985.

Previously, he worked in admissions at Texas Lutheran College, his undergraduate alma mater from where he earned a bachelor's degree in history.

Heintze also earned history degrees from Southwest Texas State University and from Texas Tech University.

He succeeds Dick Mattox, who retired recently after 31 years' service with the University.

Heintze

University observes alcohol-awareness week

The University joins other schools around the country this week in observing National Collegiate Alcohol Awareness Week.

The schedule of activities for the week is as follows:

Wednesday, Oct. 21, 1987
3 pm Tie-dye party, Bowman Field
7 pm Medical Aspects of Drinking, Senate Chambers
7 pm Mocktail party, Lever Hall
9 pm Breathalyzers, Manning Hall

Thursday, Oct. 22, 1987
9 pm Breathalyzers, Sanders Hall

All week

Posters provided by the Housing Office will be hung in all dorms and selected offices on campus.

Videos will be shown in the lobby of Redfern Health Center and in the loggia of the University Union.

Alcohol Awareness slogans will run on the scoreboard at the stadium.

A wrecked car, provided by the University police, will be placed in the "phantom" parking lot.

Buttons, recognizing the week, will be provided by Student Development and worn by staff members in selected departments.

Table tents will be displayed in the dining halls.

For information on these and other activities call the Office of Student Development at 656-2153.

Hatch Act celebration gears up for centennial

As the University moves toward its Centennial celebration, a centennial equally important to the University's mission is already being celebrated.

This year marks the 100th anniversary of the signing of the Hatch Act, the national legislation that provides annual funding to support agricultural experiment stations in each state.

"This single piece of legislation has had a greater impact on American agriculture than any other one event," says Ab Snell, acting director of the S. C. Agricultural Experiment Station.

"It built a system of cooperative research between the federal government and the states that has strengthened our nation's agricultural base and allowed us to maintain a competitive edge in world markets."

In celebration of the Hatch Act centennial, the Experiment Station is hosting a daylong symposium of lectures and tours Nov. 5. Morning and afternoon lectures will be held in the auditorium of the Poole Agricultural Center. These lectures, as well as the afternoon tours, and are open to all faculty, staff and students free of charge.

The festivities will conclude with a banquet at the Clemson House. Richard Krumme, editor of Successful Farming magazine, will be the dinner speaker. The cost of attending the banquet is $10 per person and reservations can be made by calling the Agricultural Experiment Station office at 656-3140.

First Session (9 a.m.- noon):
"Crop Improvement Through Use of Plant Physiology and Biotechnology" by Lawrence Schrader, Professor of Plant Physiology and Head of Agronomy, University of Illinois.

"Productive Agriculture and a Clean Environment: Are They Incompatible?" by Grant Thomas, Professor of Soil Science, University of Kentucky.

"Current and Future Technologies in Animal Reproduction" by Clement Markert, Distinguished University Research Professor of Animal Science, North Carolina State University.

Second Session (1:15 -3 p.m.):
"The Significance of King Cotton in the Evolution of South Carolina Agriculture" by James Hite, Alumni Professor of Agricultural Economics.

"The Origin of the Experiment Station in South Carolina" by Jerry Reel, Professor of History and Vice Provost.

"Long-Term Economic Viability of Agriculture" by Luther Tweeten, Regents Professor of Agricultural Economics, Oklahoma State University.

Organized tours of agricultural research laboratories and facilities (3:15-5:15 p.m.).

Nine University employees retire during last quarter

(Editors note: We salute the retiring faculty and staff members for their years of service to the University.)

The following list of retirees gives their years of service in parentheses, their job titles and administrative departments.

Bobby Barnett (31 years), acting associate director of the S.C. agricultural experiment station. (Sept. 30)

Clyde L. Barth (17 years), professor of agricultural engineering (Sept. 30)

Jack B. Cody (10 years), associate professor of forestry (Sept. 30)

John S. Evans (34 years), head of the agricultural support department and lecturer in agricultural engineering (Sept. 30)

Thornley B. Gravley (21 years), pharmacy superviser at Redfern Health Center (Sept. 30)

Helen S. Haun (14 years), administrative specialist in Admissions and Registration (Sept. 30)

David W. Howe (31 years), Orangeburg Country Senior Extension chairman (June 30)

Oliver R. Lumpkin (15 years), associate professor of elementary and secondary education (June 30)

Clarence W. Rainey (7 years), fertilizer insect inspector in Fertilizer and Pesticide Control (July 1)

Mary V. Usher (6 years), administrative specialist in Undergraduate Studies (Sept. 4)

H. Betts Wilson (41 years), alumni development manager in Alumni Relations (June 30)

If it's missing, try lost and found at the campus police department

If you've been having trouble finding the University Union lost and found service, try looking at the University Police Department.

The Union's lost and found service has been combined with that of the Police Department so that it can remain in operation for longer times.

Found items still can be turned in at the Union information desk, where they will be forwarded to the Police Department.

For more information, contact the Police Department at 656-2222.

Events

October

19- Nov. 16
Exhibition: "Outer Banks to Infinity, 'Landscape Photography.'" Sponsored by Clemson Architectural Foundation (656-3081), 9 a.m.- 4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall, free.

20-22
Seminar: Design of Industrial Electrical Power Systems. Sponsored by Continuing Engineering Education (656-5563), Rhodes Hall.

21
Volleyball: Georgia Tech, away (656-2101).

21
Soccer: Erskine, 7 p.m., Riggs Field (656-2101).

21
Edgar's: "Electric Zoot Suit." Sponsored by University Union (656-2461), 9 p.m., $1.

21-22
Southeastern Professional Peach Workers Conference. Sponsored by horticulture department (656-3412), Ramada Inn, Clemson.

22
Film: "An American Tail." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.

23
Clemson Attorney's Society Meeting. Sponsored by Alumn Association (656-2345).

24
Football: North Carolina State, Death Valley (656-2101). Textile Bowl.

25
Soccer: Maryland, away (656-2101).

26
Volleyball: Furman, away (656-2101).

26-27
Fall break.

26-28
Workshop: Statistical Process Control. Sponsored by Continuing Engineering Education (656-5563), Rhodes Hall.

28
Last day to withdraw from class or the university without final grades.

28
Soccer: Presbyterian College, 7 p.m., Riggs Field (656-2101).

28
Volleyball: USC, away (656-2101).

29-31
Film: "Little Shop of Horrors." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

29-Nov. 5
Short Course: Body Massage. Sponsored by University Union (656-2461), 7-9:30 p.m., Thursdays, $20.

30
Volleyball: UNC, away (656-2101).

30
Concert: Clemson University Chorus and College of Charleston Concert Choir. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

31
Volleyball: Duke, away (656-2101).

31
Football: Wake Forest, Death Valley (656-2101). Band Day.

31
E.I.T. Examination for engineering students with 95 hours. Sponsored by engineering department (656-2406), Riggs Hall, $30.

TBA
Stone Fruit Decline Workshop: Sponsored by horticulture department (656-3412), Ramada Inn, Clemson.

November

1
Deadline to apply for make-up scholarships.

1
Film: "The Big Chill." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

1
Soccer: Virginia, away (656-2101).

2
Film: "Carmen." Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

2
Volleyball: Western Carolina, away (656-2101).

2
Lecture: Leon Krier. Sponsored by Clemson Architectural Foundation (656-3081), 8 p.m., Lee Hall Auditorium, free.

2-4
Short Course: Wine Seminar. Sponsored by University Union (656-2461), 7-9 p.m., Monday and Wednesday, $20.

2-6
Pre-registration.

2-30
Exhibition: "Le Volume Bleu et Jaune." Sponsored by Clemson Architectural Foundation (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall, free.

3
Concert: "Pink Floyd" in Atlanta. Sponsored by University Union (656-2461), $35 ticket and transportation.

3
Short Course: Knitting. Sponsored by University Union (656-2461), 6:30-8:30 p.m., $18.

3-10
Short Course: Knitting. Sponsored by University Union (656-2461), 7-9 p.m., Tuesdays, $18.

4
Panel Discussion: "Intellectual Development of the College Student." Sponsored by Teaching Resources and Effectiveness Committee (656-5024), noon-1 p.m., Palmetto Ballroom.

4
Film: "True Stories." Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

4
Volleyball: Winthrop, 7 p.m., Jervey Athletic Center (656-2101).

4-5
Conference: Selected Topics In Upholstery Manufacturing Today. Sponsored by Professional Development (656-2200), Ramada Inn, Clemson.

5-6
Seminar: How to Manage the Customer Service Department for Results. Sponsored by Professional Development (656-2200), Ramada Inn, Clemson.

5-7
Film: "Platoon." Sponsored by University Union (656-2461), 7 & 9:30 p.m., Y-Theater, $1.75.

5-8
Soccer: ACC Tournament, Durham, N.C. (656-2101).

6
Volleyball: East Carolina and Auburn, 5 p.m. and 9 p.m., Jervey Athletic Center (656-2101).

6-7
Conference: Advanced Pathophysiology for Nursing Practice. Sponsored by Continuing Nursing Education (656-3078), Greenville.

6-7
Alumni Headquarters. Sponsored by Alumni Association (656-2345), Chapel Hill, N.C.

7
Football: North Carolina, away (656-2101).

7
Edgar's: "We Can Make You Laugh." Sponsored by University Union (656-2461), 8 p.m., $2.

7
Volleyball: N.C. State and UAB, 1:30 p.m. and 4 p.m., Jervey Athletic Center (656-2101).

8
Film: "Goldfinger." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

9
Film: "Ginger and Fred." Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

9
Volleyball: Furman, 7 p.m., Jervey Athletic Center (656-2101).

9
Concert Series: Robert Decormier Singers. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

10
Volleyball: Georgia, 7 p.m., Jervey Athletic Center (656-2101).

10-11
The 21st Annual Clemson Turfgrass Conference. Sponsored by horticulture department and Clemson University with the Carolinas Golf Course Superintendents Association (656-2565), Myrtle Beach.

10-11
Conference: New Technologies in Long-Staple Spinning. Sponsored by Professional Development (656-2200), Greenville.

10-11
Symposium: "Memory In Architecture," with Robert Dunay, Chris Risher and Matthew Rice. Sponsored by Clemson Architectural Foundation (656-3081), Lee Hall.

11
Film: "Blue Velvet." Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

12
Meeting: Professional Secretaries International (656-2249), 5 p.m., Golden Corral restaurant. All secretaries welcome.

12
Volleyball: UNC-Charlotte, 7 p.m., Jervey Athletic Center (656-2101).

12
Edgar's: Charles W. Greene, "Magician." Sponsored by University Union (656-2461), 9 p.m., $1.

12-14
Film: "The Living Daylights." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

Clemson

EVENTS

November, 1987

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

November

1 **Deadline to apply for make-up scholarships (656-2280).**

1 **Film: "The Big Chill."** Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

1 **Soccer: Virginia**, away (656-2101).

2 **Film: "Carmen."** Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

2 **Volleyball: Western Carolina**, away (656-2101).

2 **Lecture: Leon Krier.** Sponsored by Clemson Architectural Foundation (656-3081), 8 p.m., Lyles Auditorium, Lee Hall, free.

2 **Lecture: "From Squanto to Biotechnology: Agricultural Science in America,"** by Margaret W. Rossiter of Cornell University. Part of the History of Agriculture Lecture Series, sponsored by the Agricultural Literacy Program (656-3819 or 656-5356), 3:30 p.m., 108 Strode Tower, free, reception will follow.

2-4 **Short Course: Wine Seminar.** Sponsored by University Union (656-2461), 7-9 p.m., Monday and Wednesday, $20.

2-6 **Pre-registration.**

2-30 **Exhibition: "Le Volume Bleu et Jaune."** Sponsored by Clemson Architectural Foundation (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall, free.

3 **Lecture : "Conflict Signals: Women Scientists Since 1940, "** by Margaret W. Rossiter of Cornell University. Part of the History of Agriculture Lecture Series, sponsored by the Agricultural Literacy Program (656-3819 or 656-5356), 4 p.m., 101 Kinard Lab, free, reception will follow.

3 **Concert: Pink Floyd** in Atlanta. Sponsored by University Union (656-2461), $35 for ticket and transportation.

3 **Short Course: Knitting.** Sponsored by University Union (656-2461), 6:30-8:30 p.m., $18.

4 **Panel Discussion: "Intellectual Development of the College Student."** Sponsored by teaching resources and effectiveness committee (656-5024), noon-1 p.m., Palmetto Ballroom.

4 **Lecture: "Perceptions of Research, Teaching and Public Service at a Land-Grant University: The Relationship between Agricultural Sciences and Other Disciplines,"** by James R. Fischer, director of the S.C. Agricultural Experiment Station and dean of agricultural research. Sponsored by Agricultural Literacy Program (656-3819) as the Agriculture and Liberal Arts Dissemination Conference, 4:30 p.m., Plant and Animal Science Center Auditorium, free, reception follows.

4 **Film: "True Stories."** Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

4 **Volleyball: Winthrop**, 7 p.m., Jervey Athletic Center (656-2101).

4-5 **Conference: Selected Topics in Upholstery Manufacturing Today.** Sponsored by Professional Development (656-2200), Ramada Inn, Clemson.

5-6 **Seminar: How to Manage the Customer Service Department for Results.** Sponsored by Professional Development (656-2200), Ramada Inn, Clemson.

5-7 **Film: "Platoon."** Sponsored by University Union (656-2461), 7 & 9:30 p.m., Y-Theater, $1.75.

5-8 **Soccer: ACC Tournament**, Durham, N.C. (656-2101).

6 **Volleyball: East Carolina and Auburn**, 5 p.m. and 9 p.m., Jervey Athletic Center (656-2101).

6-7 **Alumni Headquarters for North Carolina football game.** Sponsored by Alumni Association (656-2345), Hotel Europa, Chapel Hill, N.C.

7 **Football: North Carolina**, away (656-2101).

7 **Edgar's: "We Can Make You Laugh."** Sponsored by University Union (656-2461), 8 p.m., $2.

7 **Volleyball: N.C. State and UAB**, 1:30 p.m. and 4 p.m., Jervey Athletic Center (656-2101).

8 **Film: "Goldfinger."** Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, free with University I.D.

9 **Film: "Ginger and Fred."** Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

(Continued on back)

9 **Volleyball: Furman**, 7 p.m., Jervey Athletic Center (656-2101).

9 **Meeting: Professional Secretaries International** (656-2249), 5 p.m., Golden Corral restaurant. All secretaries welcome.

9 **Concert Series: Robert Decormier Singers.** Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

10 **Volleyball: Georgia**, 7 p.m., Jervey Athletic Center (656-2101).

10-11 **Symposium: "Memory in Architecture,"** with Robert Dunay, Chris Risher and Matthew Rice. Sponsored by Clemson Architectural Foundation (656-3081), Lee Hall.

11 **Film: "Blue Velvet."** Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

12 **Volleyball: UNC-Charlotte**, 7 p.m., Jervey Athletic Center (656-2101).

12 **Edgar's: Charles W. Greene, "Magician."** Sponsored by University Union (656-2461), 9 p.m., $1.

12-14 **Film: "The Living Daylights."** Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

13-14 **Edgar's: "Split Decision."** Sponsored by University Union (656-2461), 9 p.m.-midnight, $1.

14 **Football: Maryland**, Death Valley (656-2101). Spirit Blitz.

15 **Rock Climbing Trip.** Sponsored by University Union (656-2461).

15 **Film: "Blazing Saddles."** Sponsored by University Union (656-2461), 7 & 9:15 p.m., students free.

16 **Film: "Edith and Marcel."** Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

17 **Short Course: Skin Care & Make-Up Artistry.** Sponsored by University Union (656-2461), 7 p.m., $5.

17-18 **Conference: Slashing - Today and Tomorrow.** Sponsored by Professional Development (656-2200), Ramada Inn, Clemson.

17-21 **Clemson Players' Production: "Living Together,"** directed by Robin Roberts. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium (matinee Nov 19, 3:30 p.m.), $4 public, $2 faculty/staff, students free.

18-21 **Student-Faculty Art Sale.** Works of art produced by students and faculty of visual arts department (656-3081), Rudolph E. Lee Gallery, Lee Hall.

19-21 **Film: "Hoosiers."** Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

20-21 **Alumni Headquarters for South Carolina football game.** Sponsored by Alumni Association (656-2345), Radisson, Columbia.

21 **Football: South Carolina**, away (656-2101).

21 **Swimming: Georgia Tech**, Fike pool (656-2101).

21-23 **Volleyball: ACC Tournament**, Jervey Athletic Center (656-2101).

22 **Film: "Light of Day."** Sponsored by University Union (656-2461), 7 & 9:15 p.m., students free.

23 **Film: "Cria (The Secret of Anna)."** Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

24 **Concert: Lillian and Robert Utsey Chamber Music Series: David Krakauer, clarinetist.** Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium, free.

25 **Shuttles to Greenville-Spartanburg jetport.** Sponsored by University Union (656-2461), 8 a.m.-6 p.m., $10 each way. Available to faculty, staff and their families.

26-27 **Thanksgiving holidays.**

28-29 **Swimming: Tiger Invitational**, Fike pool (656-2101).

29 **Shuttles to Greenville-Spartanburg jetport.** Sponsored by University Union (656-2461), 8 a.m.-6 p.m., $10 each way. Available to faculty, staff and their families.

30 **Applied Student Music Recital.** Sponsored by performing arts department (656-3043), 7:30 p.m., Daniel Hall Auditorium, free.

30 **Men's Basketball: Baptist College**, 7:30 p.m., Littlejohn Coliseum (656-2101).

30 **Wrestling: Oregon State**, 7 p.m., Jervey Center (656-2101).

Send calendar information to "master calendar," news services, Trustee House.

Clemson
WEEKLY
Vol. 27, No. 11 Nov. 4, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

NOV 4 1987

Biotechnology field test gets EPA approval

The University and Monsanto Co. have received U.S. Environmental Protection Agency approval for field testing a genetically engineered microbial tracking system.

The 18-month field test field test will be conducted by Clemson researchers at the Edisto Research and Education Center in Aiken County and was scheduled to begin Monday.

The field test is the first of a genetically engineered microbe approved by EPA under provisions of the Toxic Substances Control Act (TSCA).

Also, the field test is the first under any U.S. regulatory plan in which a live engineered bacterium that combines the genes of two different microorganisms has been approved for controlled field release.

The field test will evaluate a microbial tracking system developed by Monsanto scientists. The tracking system consists of a naturally occurring soil bacterium to which two genes from another bacterium have been added. This genetic engineering enables scientists to distinguish the "marked" bacterium from others in the environment and thereby determine its distribution and survivability.

In a public hearing Aug. 25, an EPA panel of eight scientists endorsed the Clemson field test.

"We agree that the proposed South Carolina experiment is one that does not pose any unreasonable risks to human health or the environment," said James Tiedje, a microbial ecologist at Michigan State University and chairman of the panel.

The field test is part of a $607,000 research partnership signed June 15 by President Max Lennon and Monsanto Senior Vice President Howard A. Schneiderman.

"This is a landmark experiment for Clemson University, South Carolina and agriculture," Lennon says. "We expect this venture to move dozens of promising new products in agriculture from the laboratory shelf, where they sit waiting to be tested and proven environmentally safe, into the marketplace."

Microbial products have been designed to protect crops from insects and diseases, and improve plants' ability to utilize nutrients.

Five Clemson scientists will lead the field test. Microbiologist Ellis Kline and agronomist Horace Skipper are the project's principal researchers.

Other key scientists are agronomist DeWitt Gooden, who is based at Edisto, microbiologist Tom Hughes and plant pathologist Dan Kluepfel.

The field test will be conducted by the Clemson team on a two-acre plot on Edisto's 2,350 acres near Blackville.

The genetically engineered bacterium, which colonizes plant roots, is mixed in water and applied to winter wheat in the seed furrow with a low-pressure pump. The scientists will monitor the movement of the bacterium and record its growth and decline in the soil.

After the wheat is harvested, no-till soybeans, then wheat again, will be planted in the test plot. No bacteria will be applied to the soybean or second wheat plantings, which are included just to check for traces of the bacteria remaining in the soil.

Clemson agronomist DeWitt Gooden (left) and research technician Jacob Gibson of the Edisto Research and Education Center in Blackville inspect equipment to plant winter wheat as part of an EPA-approved field test of a genetically engineered microorganism.

Briefly

Christmas ideas program set for Nov. 16, 17

A program featuring craft ideas and energy-saving tips for Christmas, sponsored by the Clemson Extension Service, Duke Power Co. and the First Baptist Church of Easley will be held Nov. 16 and 17.

On Monday, Nov. 16, the program will be held in Easley at the First Baptist Church's Family Center. The program begins at 10 a.m. and will repeat until 7:30 p.m. The deadline for pre-registration is Nov. 12.

On Tuesday, Nov. 17, the program will be held in Clemson at the Clemson United Methodist Church's Fellowship Hall. It will begin at 9:30 a.m. and will repeat until 12:10 p.m. The deadline for pre-registration is Nov. 13.

All programs are free and are open to the public. For more information call 859-2422 or 868-2810.

Tandy products exhibited in Palmetto Ballroom

Representatives from Tandy Corp. will be in the Palmetto Ballroom Nov. 11 and 12 displaying Tandy's line of personal computers and accessories, including the Tandy 4000 80386-based, 3000 80286-based, 1000 TX, and 1000 HX personal computers, the MS-DOS- based 1400 LT laptop and the new Tandy Laser Printer.

For additional information, stop by the Ballroom anytime between 10 a.m. and 6 p.m. either day.

Textiles workshop scheduled for Nov. 17, 18

The School of Textiles will hold a workshop Nov. 17 and 18 to review information presented at the International Textile Manufacturers Association (ITMA) show in Paris in October. Several faculty members and students attended the show and will assist in the presentation.

The workshop also will focus on the instrumentation of fiber evaluation, fiber processing, finishing processes and apparel manufacturing equipment.

A $100 registration fee includes admission to the workshop, materials, refreshment breaks and a reception.

To register, contact Kay James at 656-2200.

For more information, call Frank Hunter at 656-3183.

University selected for Certified Professional Secretaries exam

The University has been selected as a site for the Certified Professional Secretaries exam Nov. 5-6.

Approximately 30 secretaries will be participating.

Professional Secretaries International meets Nov. 9

Professional Secretaries International will meet Nov. 9 at 5 p.m. in the Clemson Golden Corral.

All secretaries are welcome to attend. For more information, call Linda Brady at 656-2249.

Blood drive coming up

The third annual Clemson University-University of South Carolina blood drive will be held Nov. 17-19 in the Palmetto Ballroom.

Everyone is invited to give blood. A trophy and $1,000 scholarship will be presented to the winning school at halftime of the Clemson-Carolina football game.

For more information, call Charles Costner at 656-4107.

For the calendar

Nov. 4

Lecture: "Perceptions of Research, Teaching and Public Service at a Land-Grant University: The Relationship between Agricultural Sciences and Other Disciplines" by James R. Fischer, 4:30 p.m., P&AS Center Auditorium, free, reception follows (656-3819).

Nov. 4

Panel Discussion: "Intellectual Development of the College Student," noon, Palmetto Ballroom.

Nov. 7

Conference: Caregiver Support. Featuring lectures on Alzheimer's disease. Call 656-5518 for more information.

Nov. 9

Symposium: "Memory in Architecture." Viewpoints by three architectural educators, 1:30, 3:30 and 8:30 p.m., Lyles Auditorium, free (656-3081).

Plan for broadcast deadlines

If your organization is looking for advance publicity on a campus event, keep in mind the early deadlines for radio and television. Radio stations need the information from sponsors at least two weeks before the event and television stations need a month's advance notice.

For assistance in publicizing your event on radio or television, call University broadcast editor Dave Crockett at 656-3859.

The Clemson University Newsletter is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Nov. 10, noon, for Nov. 18 Issue.**

Staff Commission hears classification update

At its October meeting, the Commission on Classified Staff Affairs heard an update on the University's staff classification studies from Juliette Dais, classification and compensation manager with the Personnel Division.

"There were approximately $1 million in reclassification requests this fiscal year, and the administration was able to approve only one-fourth of those requests because of budgetary constraints," sais Dais. "Two hundred fifty thousand dollars already has been spent on as many requests as could be approved.

"We tried to take care of the most-glaring and long-standing cases first to try to bring those positions into line with current labor market standards in phase I this year," she said, "and we anticipate being able to correct additional inequities in phase II within the next fiscal year."

For example, well over 50 percent of the funds were spent on reclassifications for University clerical support personnel, she said, because that area is one of the largest at Clemson most in need of upgrading.

"When budgets are cut, reclassification dollars are usually the first to go," said Dais. "This year, however, the University has decided set aside $250,000 and earmark it for reclassifications. The administration has made a significant commitment to take care of as many people as is possible."

Next year a new list of reclassification priorities will be compiled by each vice president in his area, said Dais, giving all areas of the University the opportunity to submit additional requests for review of other positions.

Dais also said there were current statewide reclassification studies going on for professional development positions and nursing continuing education positions and a trades study for grounds and heavy equipment operators. There also is a study of financial management employees in financial and accounting areas.

Personnel Director Ray Thompson updated the Commission on merit raises. Merit increases are scheduled to go into effect Jan. 1, 1988. Each vice president has the flexibility to determine the increases for his area.

Their only restrictions are:

— that total increases must average 1 percent,

— that no emloyee be increased more than 3 percent,

— that any employee with a salary below the mid-point of his or her pay range must be given a 0.5 percent increase,

— that no employee hired, promoted or reclassified between July 1, 1987 and Jan. 1, 1988 will be eligible for a merit increase.

There also was discussion of employees donating sick leave to other employees. At present, this cannot be done, said Thompson. However, Clemson has been chosen as one of five state agencies to test pilot programs, and this possibility will be discussed again with the state.

In other business, the Commission voted to request having minutes of its meetings placed on DORIS, Cooper Library's Document Retrieval Information System.

Foley to lead animal science program

An internationally known expert in animal physiology will head the animal science department.

Bill Foley, professor and director of the division of animal and veterinary sciences at West Virginia University, will assume his duties Jan. 1.

At West Virginia, Foley oversees teaching, research and Extension activities of the departments of animal science, dairy science, poultry science, food science, veterinary science and biochemistry. He also supervises the division's seven farm facilities.

Here, Foley will direct all teaching, research and Extension efforts in the animal science department, and will be responsible for the University's horse, sheep, beef cattle and swine units. These units comprise more than 2,500 acres near campus and at the Edisto Research and Education Center near Blackville.

"We are truly fortunate to secure the services of such an outstanding individual," says Milton Wise, vice president and vice provost for agriculture and natural resources.

"He has worked at four different land-grant universities and has served as a researcher, teacher and Extension specialist."

Prior to working at West Virginia, Foley served in positions at the University of Missouri-Columbia, Purdue University and the University of Georgia.

The Sabetha, Kan., native earned bachelor's, master's and doctoral degrees in animal science from the University of Missouri.

Gentry joins University administration staff

An information systems specialist has joined the University administrative staff to provide support services for public affairs activities.

Helma Gentry has been named executive assistant to the vice president for administration.

"My responsibilities will mainly be to plan and develop information systems. I also will be involved in coordinating policies and procedures aimed at promoting the image of Clemson University," Gentry says.

Gentry comes to Clemson from Apache Corp., an oil firm in Denver. In 1986, she was nominated for the Outstanding Black Businesswoman of America award.

The Oklahoma native graduated from the University of Oklahoma with a degree in business administration.

Fund drive for animal care facility initiated

To support recent research growth in the fields of biomedicine, life sciences and farm animal production, the University has launched a $3 million fund-raising effort to cover a portion of the estimated cost of building a centralized animal facility.

The fund drive, entitled "The Campaign for the Biomedical and Bioengineering R&D Facility (Bio-Fact)," will augment requested state appropriations.

Currently, animal research is being performed in some 21 different locations on campus, says Andreas von Recum, head of the bioengineering department and the project's fund-raising chairman. University research officials say decentralized facilities slow Clemson's research progress and hamper collaborative efforts between researchers.

A central facility — with an estimated total construction cost of about $8.4 million — will provide a home for sophisticated biomedical, bioengineering and life sciences research and will include laboratories and facilities for animal housing and care.

The facility will incorporate the wide range of research being performed by the Colleges of Sciences, Agricultural Sciences, Engineering, and Forest and Recreation Resources.

In addition, such a facility will allow Clemson to seek accreditation by the American Association for the Accreditation of Animal Care, says Stan Nicholas, director of the Office of University Research.

In 1985, Provost David Maxwell commissioned a special committee to explore Clemson's animal facility needs. The committee recommended a central animal facility as the only practical solution.

In August, the Board of Trustees approved a six-year permanent improvements plan that lists the central animal facility as its top construction priority along with an engineering innovation center.

In the meantime, the Animal Research Committee on campus has been charged with the task of assessing the animal research and teaching needs of all potentially involved faculty.

Says Nicholas, "This project, which calls for a creative public/private partnership, will move Clemson into its second century of service ably equipped to continue its research efforts to improve the quality of life."

Currently, University scientists involved in animal research are investigating topics as diverse as cardiovascular health and surgical techniques, bone and joint prostheses, farm animal reproduction and wildlife preservation.

Clemson researchers are achieving recognition in a number of key areas in biomedicine. Researchers in biomaterials, for example, have been awarded patents for several inventions involving bone and joint replacement devices and methods.

Scientists at Clemson also are involved in investigating an oral vaccine that accelerates and heightens the immune response and provides increased protection against typhoid, influenza and pneumonia.

In biotechnical research, scientists here are developing a diagnostic DNA probe that enables early detection of a specific pathogen in poultry that costs the industry millions of dollars each year.

Agricultural researchers also are exploring the area of reproductive physiology to improve animal growth rates, more efficient feed utilization, cost reductions in food production, and production of leaner beef through genetic research.

And in the area of wildlife, researchers have been developing preservation strategies for a number of animals, particularly the endangered red cockaded woodpecker and Eastern bluebird. Additionally, strategies for controlling nuisance beaver populations are being developed.

University extends United Way deadline

Max Lennon and Almeda Rogers look toward the University's United Way goal of $60,000 for 1987.

The University's United Way Campaign has been extended through Nov. 20, says Chairperson Almeda Rogers.

So far, $46,450 has been raised. This year's goal is $60,000.

"Those of us on the Steering Committee are trying to create competition among the various departments around campus," says Rogers, the associate vice president for student affairs and dean of students.

"The department with the largest increase in people and dollars over last year will receive a plaque for a year and will be honored at a reception hosted by President Lennon. We also are looking at the other incentives for the solicitors/canvassers who have the most participation in their division."

For information, call 656-2161.

Clemson WEEKLY

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Endowment to boost support for library

The completion of a $1 million cash gift will mark the beginning of a new chapter in the development of the University library.

President Max Lennon announced Oct. 30 that descendants of Callie Jones Shirley will increase to $1 million the endowment they started in 1981 to benefit the Robert Muldrow Cooper Library.

The Shirleys already have put $540,000 in the fund and will add another $460,000 in January.

With an additional $100,000 from a National Endowment for the Humanities challenge grant, the endowment's total will reach $1.1 million.

"This gift is particularly important," Lennon said, "because the quality of the library is so significant to the quality of the University. We can't build a great University without having a great library as the cornerstone.

"In addition, because this is a cash gift, it can be put to work immediately to benefit Clemson faculty and students. Its impact is not only something to look forward to, it is something that will help meet current needs and help us respond promptly to new needs as they develop."

Director of Libraries Joe Boykin said the Shirley Endowment is critical to the University's ability to cope with the rising costs of books and periodicals, advancements in technology, and new trends in enrollment and research.

"The price of subscriptions to technical journals and periodicals, which are absolutely essential to teaching and research programs at Clemson, has skyrocketed in recent years," Boykin said. "Faced with inadequate state appropriations, paying for periodicals means not buying as many books. For example, we had to slice our book budget in half this year to have money for periodicals."

As a result, until state funding improves, he said, part of the income from the Shirley Endowment may have to be used for books, periodicals and other basic library needs.

Beyond that, Boykin said, the money will help the library expand the formats in which materials are made available and build collections in selected areas of emphasis in teaching and research at Clemson.

"We want to provide students and faculty with greater access to information," he said, "and more and more information is being produced in machine-readable formats, such as on audiotapes and videotapes. And advances in computer software technology will make it increasingly easy for individuals to search for and find needed information.

"These are areas in which Clemson should excel because of our commitment to the students and faculty and because of our status as the state's center for high technology teaching and research. The Shirley Endowment can help us reach that level of excellence."

The endowment is named for Callie Jones Shirley, who grew up in Anderson County in the late 1800s and whose love for learning inspired her descendants to establish the library fund as a tribute to her.

The gift is the second largest individual cash gift ever made to Clemson and is the library's largest source of private support.

The horticulture club planted garden mums and flowering pansies around the P&A Building recently as part of a year-round seasonal planting project.

Briefly

Gower to speak

The president of a petrochemical company will speak Nov. 12 on career opportunities for chemistry and chemical engineering majors.

Robert Gower, president of Lyondell Petrochemical Co. — a division of Atlantic Richfield — will speak at 11 a.m. in Earle Hall Auditorium and again at 4:30 p.m. in Hunter Laboratory Auditorium.

He is the second of five speakers scheduled for the 1987-88 Distinguished Chemical Industry Business Seminar sponsored by the College of Sciences and the chemistry department.

Order tickets now for Elizabethan Yuletide feast

Join a festive evening recreating the Court of Queen Elizabeth the First Dec. 5 and 6 at the inaugural "Olde English Yuletide Feaste and Renaissance Revel," sponsored by the performing arts department.

Registration deadline for the evening's festivities, which come complete with authentic cuisine, decor, dress, dance and song, is Monday, Nov. 23. Tickets are $18.75 and are available by mail order only. Seating is limited. No phone orders will be accepted.

Mail orders to: Madrigal Dinner Tickets, Department of Performing Arts, 717 Strode Tower.

Media analyst to speak

Media analyst Kathleen Hall Jamieson will speak on "Women and Political Uses of the Media" Nov. 16 at 8 p.m. in Tillman Hall Auditorium.

Jamieson is a nationally recognized scholar in the field of political rhetoric and public address. She holds the G.B. Dealey Professorship of Communication at the University of Texas at Austin, where she is also the chair of the speech communication department.

The lecture is free and open to the public. A reception will follow.

Jamieson's appearance at Clemson is sponsored by the Women's Study Committee in Liberal Arts and is part of the Women's Studies Colloquia Series.

Nursing Center offers services to faculty, staff

Various health services are available to faculty and staff through the Nursing Center, located on the first floor of the College of Nursing building.

Services are provided at reasonable costs by registered nurses with advanced clinical education and experience, and by supervised graduate and undergraduate students.

Services include complete health exams for children and adults, and tests for pregnancy, strept, anemia and cholesterol levels.

Body composition analysis is available to determine body fat percentage and the number of calories burned at rest and in various activities.

The Nursing Center also provides flu shots, allergy shots (on physician referral) and free immunizations.

Counseling for individuals and families is scheduled by appointment. Health education classes are provided on a wide variety of topics.

For additional information or an appointment, call 656-3076.

Deadline approaches for University Research Grants

Applications for University Research Grant Committee funds are due in the Office of University Research (E-102 Martin Hall) Nov. 30.

The committee accepts applications from faculty holding tenure and tenure track positions. Application forms and instructions are available on request. Only applications using current forms will be considered.

The committee makes awards to new faculty, to faculty redirecting research interests and to faculty in areas where research support is inadequate or non-existant.

For more information, call University Research at 656-2375.

Partners of Americas names Wixson to board

Bobby Wixson, dean of the College of Sciences, was elected to the board of directors of the S.C.-Southwestern Colombia Partners of the Americas at its annual meeting Oct. 10 in Columbia.

Partners of the Americas is the largest private voluntary organization in the Western Hemisphere, representing 57 "partnerships" between 44 U.S. states and 29 nations in Latin America and the Caribbean. The organization has a budget of more than $6.2 million with some 20,000 volunteers working on projects valued at nearly $70 million a year and benefiting more than 100,000 people each year.

Wixson joins Joseph Arbena, Clemson professor of Latin American history, who was re-elected to a second two-year term on the 12-member board.

Wixson also received a letter of congratulations from the chancellor of

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Nov. 17, noon, for Nov. 25 Issue.**

the University of Missouri-Rolla indicating that he had been selected as an outstanding teacher for 1986-87 based on the results of student balloting. This is his sixth outstanding teacher award from the University of Missouri-Rolla.

Tandy products displayed in Palmetto Ballroom

Representatives from Tandy Corp. will be in the Palmetto Ballroom today and tomorrow (Nov. 11 and 12) displaying Tandy's line of personal computers and accessories and the new Tandy Laser Printer.

Stop by anytime between 10 a.m. and 6 p.m.

Program deadlines nearing

Registration deadlines for the programs featuring craft ideas and energy-saving tips for Christmas are Nov. 12 for the Nov. 16 program in Easley and Nov.13 for the Nov. 17 program in Clemson.

The Easley program will be held at the First Baptist Church's Family Center beginning at 10 a.m. and will repeat at 7:30 p.m.

The Clemson program will be held at the Clemson United Methodist Church's Fellowship Hall, beginning at 9:30 a.m. and will repeat at 12:10 p.m.

The programs, sponsored by the Clemson Extension Service, Duke Power Co. and the First Baptist Church of Easley, are free and open to the public. For more information call 859-2422 or 868-2810.

President's Council to meet

The next scheduled meeting of the President's Council is Nov. 13 at 3 p.m. in the Senate Chambers.

Student-faculty art sale rescheduled

The student-faculty art sale has been rescheduled from Nov. 18-21 to Dec. 2-4.

Artwork produced by students and faculty in the visual arts department will be available in Lee Hall Gallery. Hours are 6-8 p.m. on Dec. 2 and 9 a.m.-5 p.m. Dec. 3-4.

In addition, graduate student photographer Gil Leebrick will have his work on display in the gallery Dec. 2-17 as part of the MFA Thesis Exhibition.

For more information, call Tom Dimond at 656-3081.

Blood drive gets under way

The third annual Clemson University-University of South Carolina blood drive will be held Nov. 17-19 from 11 a.m. to 7 p.m. each day in the Palmetto Ballroom.

Everyone is invited to give blood. A trophy and $1,000 scholarship will be presented to the winning school at halftime of the Clemson-Carolina football game.

For more information, call David Church at 656-6480.

Poultry science receives grant for immunity research

The poultry science department has received a $29,500 grant that may aid researchers in unlocking keys to the immune systems in birds and humans.

The grant, from Amick Farms of Batesburg, will allow the department to purchase an elutriator centrifuge, which uses ultrahigh centrifugal forces to separate cells at different stages of growth and development.

"This equipment will allow us to isolate and purify cells that contribute to the immune response of poultry," says Bruce Glick, head of the department. "Studying these cells is an essential part of understanding the immune response in poultry embryos, and will offer us the opportunity to strengthen the bird's ability to fight diseases."

In addition to improving the poultry industry, Glick says much of the information learned from using this equipment may be applicable to the human immune system.

"This instrumentation adds to the department's biotechnological capabilities and takes us a step forward into the 21st century," he says.

Publications and Graphics hosts open house Nov. 19

The department of publications and graphics services invites all faculty and staff to an open house Thursday, Nov. 19, from 2 to 4 p.m. in the lobby of Fike Center (the old section).

Samples of publications produced recently by the department will be on display, and commercial printers, typesetters and designers who provide printing-related services to the University will be available to answer questions.

Desktop publishing demonstrations also will be offered as will tours of the facility.

The exhibition system available to University departments will be on display, and refreshments will be served.

Sheila Bacon Greenleaf (right) and her sister, Dana Cooper, great-great-great granddaughters of John C. Calhoun, help with the planting of a willow oak at the Calhoun Mansion. The tree was planted in honor of their mother, Gertrude Calhoun Bacon.

A direct descendant of Calhoun, Bacon died in November 1985.

The tree and memorial marker were donated to the University by the Greenleaf and Cooper families who live in St. Augustine, Fla.

Walker receives national "Take Charge" award

by Sharon Jones

It takes a special person to make the transition from divorced mother of three on welfare in a Pittsburgh housing project to successful career woman, but Flora Walker did it.

And for taking charge of her life, she was recently honored as one of 25 special women in the nation.

Walker, an administrative specialist in the history department, recently received a $1,000 Clairol Take Charge Award, awarded annually to women over 30 who have overcome obstacles to make a positive change in their lives.

Clairol received more than 2,000 applications for the award this year. Walker was nominated by history Professor Alan Schaffer.

"I was ecstatic when I found out I won the award. I didn't know whether to laugh or cry," Walker says. "I called up Dr. Schaffer, and he said it was the best news he'd heard in a long time."

Despite an overabundance of hardships years ago, Walker was determined to make a better life for herself and her family.

"There was a time when I felt I had lost my grip on life; when I needed something to give me the courage and determination to overcome my problems," she says. "And when your youngest child runs crying into your apartment and asks you if you're lazy, you find that determination."

So for several hours a night,

Walker

Walker retrained herself in secretarial skills she'd learned in high school.

Weeks later, her hard work paid off when she went to work for St. Thomas High School, a private Catholic school in Pennsylvania.

Six years later she took a job as a secretary for a legal services organization and used her newly acquired legal knowledge to form a tenants' organization, which worked to improve living conditions for apartment dwellers in her tenement.

Several years later, she married a South Carolinian, moved to Anderson and began working in the history department, where she's been ever since.

Walker has published an article in Guideposts magazine about her struggle with welfare and occasionally speaks to local organizations on teen pregnancy, the welfare system and drug abuse. Three years ago, she was honored by the University as the first recipient of the Staff Woman of the Year Award.

"Making a change for the better in your life isn't difficult," she says, "the difficulty is deciding to make that change. But once you make up your mind, anything's possible, and I'm living proof."

University welcomes new accounts supervisor

Mack Howard is the University's new accounts payable supervisor. He succeeds Coy Howard, who retired from that position in June after 16 years with Clemson.

And last names aren't all the two have in common. Mack now has the same job title and telephone number as his office's previous occupant. His office number is G-06 Sikes Hall, and his telephone number is 656-5589.

"People learn who you are just as fast as you learn who they are," he says, "and as for being in the same location, it just makes getting in touch with me that much easier."

The Greenville native comes to Clemson from Spartanburg Technical College, where he served as the department head for business administration and as an accounting instructor. He earned bachelor's and master's degrees in business administration from the University of South Carolina and has 10 years of manufacturing accounting experience.

In his new job, Howard supervises a staff responsible for payment of all University purchases and reimbursements. Last year, his office processed $80 million in the form of 120,000 vouchers.

"When you're responsible for that kind of money, you have to have a great department, and we certainly do," he says. "They worked through the Fourth of July this summer just to make sure all the paperwork was done so that the bills were paid prior to closing out the 1986-87 fiscal year."

General to speak on Constitution bicentennial

Lt. Gen. Robert Arter (U.S. Army -- Ret.) will speak Nov. 12 on "The Department of Defense and the U.S. Constitution" at 4:45 p.m. in Tillman Hall Auditorium.

Arter is the special assistant to the Secretary of the Army for the Bicentennial of the U.S. Constitution.

His talk is sponsored by Army ROTC, Air Force ROTC and the history department. Everyone is invited. Call 656-3107 for more information.

Clemson
WEEKLY
Vol. 27, No. 13 Nov. 18, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Gift creates Bishop Chair in ceramic engineering

A man who molded a pottery store into a multi-million-dollar business stretching from Myrtle Beach to Chicago has spurred a $650,000 gift to the ceramic engineering program.

The gift from Waccamaw Pottery founder George J. Bishop III of Myrtle Beach and a group of his friends and business associates will endow a Distinguished Professorship, named for Bishop, in ceramic engineering, President Max Lennon announced.

Of the $650,000 gift, $370,000 is from Bishop and his family, with the balance coming from business associates.

A Distinguished Professorship is a faculty position supported by annual investment income from an endowment of at least $500,000. The George J. Bishop III Distinguished Professorship in Ceramic Engineering will be the first such position established by Clemson.

The announcement comes just five weeks after University officials announced a $1.7 million gift and bequest focused on ceramic engineering. The earlier gift, from Trustee P.W. McAlister and his family, was announced Oct. 9.

"This significant investment by George Bishop and his associates is another major step in our plan to fully endow the department of ceramic engineering," Lennon said.

At least $5 million is needed to endow the department, which at that point will be be named for Gilbert C. Robinson, who started the ceramic engineering program in 1946 and spent the next 40 years spearheading its growth, Lennon said.

Next stop, ground floor

Moving, or rather removing, a 9,000-plus lb. cooling tower from the top of Manning Hall isn't the easiest job in the world, but the Physical Plant gets by with a little help from a 200 ft., 90-ton crane.

The air conditioning and welding shops spent a couple of days recently removing the air conditioning unit section by section (some of which weighed as much as 3,600 lbs.) and replacing it with a somewhat lighter unit (only 3,700 lbs.).

Child care plan gets Cabinet OK

The President's Cabinet has endorsed a plan to establish an on-campus child care facility as a teaching laboratory, based on the recommendation of an ad hoc committee established a year ago to study the feasibility of University-sponsored day care.

"We had been advised that funding and state approval would be easier to obtain for a pure, interdisciplinary teaching laboratory," says Pat Padgett, chairperson of the committee. "As a laboratory, the center would fall under the state's formula for funding colleges and universities, which would not be the case if we entered into a partnership with a private provider."

President Max Lennon has asked the committee to remain active, working with Provost David Maxwell and Vice President for Business and Finance David Larson to help make the center a reality.

Interested deans and department heads will now meet to develop a proposal outlining needs from an academic perspective, she says. Once the academic program is in place, the Business and Finance Office will help locate existing space on campus and obtain renovation and start-up funds.

Thanksgiving holidays are Nov. 26 and 27. There will be no Clemson Weekly Nov. 25. The next issue will be Dec. 2.

Briefly

Nursing program recognized

The University's School Nurse Practioner Program recently was presented the "Most Innovative Program Award" for 1987 by the S.C. Association for Higher Continuing Education.

The program, offered through the continuing education department in the College of Nursing, is a 16-month certificate program that combines academic credit courses with continuing education courses. Under the program, registered nurses continue their full-time jobs as school or college nurses while completing the curriculum requirements.

This program, sponsored by a federal grant, is the first and only school nurse practitioner certificate program in the Southeast.

Flu shots available at the Nursing Center

The Wellness Program and the Nursing Center of the College of Nursing will be offering flu shots to faculty and staff during November. Cost of the vaccine is $5.

As an added service, the Nursing Center will offer total cholesterol testing (fingerstick) at the same time. Cost for both is $10. (Normal cholesterol screening fee is $7).

Pregnant women and persons allergic to eggs, chicken feathers, or chicken dander should consult their personal physicians before taking the vaccine.

For an appointment, call the Nursing Center at 656-3076.

National Advanced Systems awards development grant

National Advanced Systems, a subsidiary of National Semiconductor Corp., has awarded a $130,000 development grant to the Division of Computing Information Technology to develop software for NAS' Engineering/Scientific program.

The grant is in conjunction with development efforts being conducted at NAS' Systems Software Development Center in Atlanta.

Under terms of the grant, faculty and graduate students at Clemson will develop software for use on NAS' AS/XL Vector Series of mainframe computers.

Christopher Duckenfield, vice provost for computing and information technology, views the grant as recognition of Clemson's position as a leader in scientific computing.

"Clemson has shown an ability to undertake original research and development projects of great complexity in the computing area," he says. "Partnerships such as the one between NAS and Clemson provide a vehicle for the transfer of academic ideas to industry," he adds.

YMCA sponsors citrus sale

The Clemson YMCA's annual Fall Fresh Citrus Sale is under way. Orders will be taken through Nov. 25, with pick-up of fruit scheduled for Friday, Dec. 4. You can order navel oranges, Hamlin oranges, pink or white grapefruit and tangelos. For more information, call 656-2460.

Water aerobics classes still available

There are still openings in the Clemson YMCA water aerobics classes. These special exercises are done in chest-deep water, so it is not necessary to be able to swim. A certified instuctor teaches the classes.

The classes are held at Fike Recreation Center on Tuesday and Thursday, 9-10 a.m., and on Monday and Wednesday, 10-11 a.m. For more information, call 656-2460.

Youth basketball needs volunteers to officiate

The Clemson YMCA needs volunteers to work with the Youth Basketball program. Officials are needed to work with youth in grades 1-9. In addition, an adult who likes to work with teenagers and who has a good knowledge of basketball is needed to coach a 10th-12th grade team. To volunteer or for more information, call Lorrie Jones at the YMCA (656-2460).

Videotex features calendar

If you're planning an event or if you've just been wondering what else is going on this week, the answer is as close as your fingertips (and your computer keyboard).

The University master calendar is now available through the computer center's videotex service and will present a week's worth of the most up-to-date calendar information available.

Look for "A Week At A Glance" under the University News heading, along with other useful information. Videotex is accessible through the VAX/NAS systems. For more information, contact the Computer Center help desk at 656-3494.

The Clemson University Newsletter is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Nov. 24, noon, for Dec. 9 Issue.**

Krakauer performs Nov. 24

Clarinetist David Krakauer performs Nov. 24 as part of the Lillian and Robert Utsey Chamber Music Series.

The 8 p.m. performance in Daniel Hall Auditorium is sponsored by the peforming arts department.

Admission is free. For more information, call 656-3043.

Students present applied music recital Nov. 30

The performing arts department will present its applied music student recital Nov. 30 at 7:30 p.m. in Daniel Hall Auditorium.

For information, call 656-3043.

Blood drive gets under way

The third annual Clemson University-University of South Carolina blood drive will be held Nov. 17-19 from noon to 8 p.m. each day in the Palmetto Ballroom.

For more information, call David Church at 656-6480.

Extension sponsors public meeting Nov. 23

Jim Hite, Alumni Professor of Agricultural Economics, will speak on "A Positive Outlook in Agriculture" at the Clemson Extension Service public meeting Nov. 23 at 7 p.m. in the Liberty High School.

Registration for the evening of food, music and information is Nov. 19. Tickets are $6.50.

The program, held during Farm-City Week, is sponsored by the Extension Service, the S.C. Forestry Commission, the Agricultural Stabilization and Conservation Service, the Farmer's Home Administration, the Soil Conservation Service and the S.C. Farm Bureau.

Holiday shuttles available

Thanksgiving shuttles to the Greenville-Spartanburg jetport will run Wednesday, Nov. 25, from 8 a.m. to 6 p.m. and Sunday, Nov. 29, from noon to 10 p.m.

Special pick-up service for family members arriving on Wednesday is available between 10 a.m. and 7 p.m.

Cost is $10 each way. Sign up at the Union Information Desk.

For information, call 656-2461.

University research grant deadline is Nov. 30

Applications for University Research Grant Committee funds are due in the Office of University Research (E-102 Martin Hall) Nov. 30.

The committee accepts applications from faculty holding tenure and tenure-track positions. Application forms and instructions are available on request. Only applications using current forms will be considered.

The committee makes awards to new faculty, to faculty redirecting research interests and to faculty in areas where research support is inadequate or non-existant.

Mail in orders for Yuletide Feaste by Nov. 23

Registration deadline for the "Olde English Yuletide Feaste and Renaissance Revel" is Monday, Nov. 23. Tickets are $18.75 and are available by mail order only. Seating is limited. No phone orders will be accepted.

For more information, call 656-3043 or 656-3453.

'Dancin' Dynamics' begins

The Clemson YMCA is starting a new session of Dancin' Dynamics. Classes meet Monday-Friday from 9:10-10:10 a.m. at Fike and Monday, Tuesday, Thursday, and Friday from 5:15-6:15 at Holtzendorf YMCA.

For information, call 656-2460.

Art sale to be held Dec. 2-4

The student-faculty art sale will be held Dec. 2-4.

Artwork produced by students and faculty in the visual arts department will be available in Lee Hall Gallery. Hours are 6-8 p.m. on Dec. 2 and 9 a.m.-5 p.m. Dec. 3-4.

For more information, call Tom Dimond at 656-3081.

Publications and Graphics hosts open house Nov. 19

The department of publications and graphics services will hold an open house Thursday, Nov. 19, from 2 to 4 p.m. in the lobby of Fike Center (the old section).

All faculty and staff are invited. For more information, call 656-2467.

Lt. Gov. Nick Theodore (center, standing) visited the Manufacturing Management Lab in Sirrine Hall recently during a tour of Clemson's research facilities.

Management Prof. Larry LaForge (left, standing) and Bill Raffield, graduate assistant, explained how students use computers in the Manufacturing Accounting and Production Information Control System to make business decisions.

Staff to participate in December graduation

At its November meeting, Commission on Classified Staff Affairs Chairperson Pat Padgett announced that staff members will be participating in University graduation ceremonies for the first time.

"Staff have been invited to join students and faculty in the Dec. 17 graduation program," says Padgett. "The Commission was charged with selecting a staff marshall using established University criteria, and we are pleased to announce Clyde Woodall of Extension administration as our chief representative."

As marshall, Woodall will arrange for interested staff with master's degrees or higher to participate. Interested staff should call Woodall at 656-3383 or Padgett at 656-3073 by Nov. 24.

In other business, the Commission approved new procedural guidelines presented by an ad hoc committee chaired by John Clemmens. The proposed guidelines will be presented to the President's Council for approval.

The following changes were recommended:

— That membership on the Commission be realigned and expanded to coincide with vice presidential areas and populations. Representation is to be based on one member per every 100 employees in each area, resulting in 23 members total.

— That Commission membership be based upon popular vote within each vice presidential area.

— That all ex-officio members be non-voting members.

— That the executive committee include executive officers, subcommittee chairpersons and ex-officio members.

The Commission's next meeting is Dec. 1 at 10 a.m. in Room 407 of the College of Nursing Building. Interested staff are invited to attend.

VP Area	Employees	Representatives
Agriculture/Natural Resources	826	8
Academic Affairs	510	5
Student Affairs	338	3
Institutional Advancement	104	1
Business and Finance	518	5
Administration	82	1

Paper preservation is wood researcher's specialty

He rips out a sheet of brittle paper from a 90-year-old book, wads it up and lets the hundreds of shards fall into a clump on his desk. What was once a printed page is now a pile of flakes.

"This is what happens when paper ages," he says.

He is David Hon, a professor of wood chemistry, appointed recently by the U.S. Congress' Office of Technology Assessment to recommend a process for use by the Library of Congress to protect its books and precious, aging documents from deteriorating.

Paper is processed with an acid-based substance called aluminum-resin size to keep ink from bleeding, yet it is this same substance that causes paper to deteriorate. Hon has evaluated four different methods for neutralizing the acid in books; he will make a recommendation to Congress next month.

Books published before 1800 don't deteriorate at the same rate as modern publications do, Hon says, because antique publications were made of cotton fiber, not wood. And they were not processed with acid-based chemicals.

Books published during the 19th and 20th centuries yellow and become brittle after about 50 years. Paperbacks are even worse, he says.

Books have been deacidified before — but the process was always a long, tedious and labor-intensive one. Up until the mid-1900s, books were systematically taken apart and each page was treated separately with a chemical compound specially formulated for deacidification.

Then, in 1970, a researcher in Chicago developed a novel idea: By using liquified gas, he could treat the book in a pressurized chamber without having to unbind the volume and work with each page.

"It's a good process, but there are limitations," Hon says. Depending on the quality of the book, the process may cause ink to run or damage color illustrations.

During the 1970s, the Library of Congress spent $10 million developing a reliable process to use for book deacidification. It since has asked the Congress for $10.5 million more to build a massive deacidification plant in Maryland.

"Congress has asked me to evaluate the process the Library of Congress wants to use. I've compared that process with three others," Hon says.

In the meantime, Hon is researching his own techniques for what he terms an integrated book preservation program. Deacidification is one thing, but it's not everything, he says. "If you want to preserve a book, you need to think in terms of preserving the strength of the paper, as well."

If indeed Hon and his graduate students develop the magic formula, he says he hopes to use it to preserve the John C. Calhoun collection of documents and U.S. Sen. Strom Thurmond's papers, now housed on campus.

Who would have guessed that wood chemistry and American history would find so much in common?

Tribble makes the jump from coach to adviser

by Theodora Wills

After 20 years of pacing the sidelines and waiting patiently to see the results of her coaching, Annie Tribble still has not forfeited her position on the court. She merely has traded positions.

Now she is a member of the athletic advisory team, a branch of Student Affairs which monitors registration, class attendance, academic progress and teacher/student relationships of student athletes.

Tribble joined athletic advising after her retirement as women's head basketball coach a more than a year ago. And unlike coaching, there is now more emphasis on the long-term results of individual academic success as opposed to the short-term results of team competition, she says.

"My satisfaction with the student's academic progress and more importantly, the student's satisfaction with himself, is now my measure of success," says Tribble. "The development and improvement of the student/athlete is our primary goal."

Tribble says counseling student athletes in their use of time is as important as choosing the right courses.

"It is essential that a student athlete learn to prioritize and budget his or her time," she says. "Many people feel that athletes have too many privileges, but if those same people were to follow an athlete around for just one day they would understand that athletics isn't all fame and glory."

Tribble says the day-to-day life of a college athlete is just as strenuous outside the gym as inside.

"An athlete's day often begins with one practice in the early morning and ends with another later in the day," she says, "and in between the two an athlete must find time to eat, attend classes, study and put in extra hours of individual training. And if, on top of all that, the athlete is not able to maintain a 2.0 grade point average, it's additional study hall sessions five nights a week."

"My satisfaction with the student's academic progress and more importantly, the student's satisfaction with himself, is now my measure of success"
Annie Tribble

Tribble is well-versed in the student athlete's regimen because she was one herself in college. She began her career at Clemson as a student, graduating with a bachelor's degree in English and a minor in psychology. Clemson had no organized women's sports at the time, but she was able to play at Anderson College, where she participated in basketball, tennis and track.

Tribble later returned to Clemson and earned a master's in guidance and counseling. But her Clemson career didn't end there. In 1976, after coaching at Anderson College for nine years, she became head coach of the University's women's basketball team in the second year of its existence, ending her tenure 11 years later with a record of 200 wins and 135 losses.

"Coaching has been a rewarding experience for me, but so is what I'm doing now," she says, "especially since our goals for these student athletes are so career-oriented. I try to emphasize to the student athletes the importance of earning that college degree. If they're going to survive in this world they must realize that they all may not succeed in professional sports — actually very few will — but with a college education, they all will be winners."

Athletic advising keeps student athletes on track

In the back of Mauldin Hall is an office devoted to making a successful career for Clemson student athletes in the classroom as well as on the playing field — the office of athletic advising.

Athletic advising is a branch of the Student Affairs office under the direction of B.J. Skelton, associate vice-president for Student Affairs. The athletic advising office consists of three full-time graduate assistants and three full-time employees — Joe White, Ian Davidson, and its newest addition, former Clemson women's basketball coach Annie Tribble. White is athletic adviser for football and Davidson and Tribble are athletic advisers for all remaining sports.

"Because of NCAA regulations, it is essential for athletes to know what requirements they must meet to satisfy their eligibility standards and to stay on track to graduation," says Davidson. "The advisers track the academic progress of each student, and if they see a problem, they make the student and his or her coach aware of the situation immediately and try to advise the student accordingly."

Such academic sucess, he says, depends on a complete package of class registration, attendance and the teacher/student relationship. Although athletic advisers have no official authority in faculty responsibilities such as signing registration cards, they attempt to be involved with the student at whatever level is necessary.

Athletic Advising also is responsible for the athletic study hall program. Each semester approximately 80 tutors are hired for nightly tutorial sessions in all subject areas. Counseling and additional tutoring are available to all 480 student athletes on campus, as well as all cheerleaders, managers, and trainers.

Telecampus gears up for January broadcasts

Four graduate-level courses will inaugurate the first semester of Telecampus, the University's new educational program geared to offer graduate studies over closed-circuit TV to off-campus students.

Director Myra Marshall says Civil Engineering 824, Education 761, Financial Management 807 and Nursing 804 will go on the air in January.

These classroom sessions will be broadcast live into viewing sites at Greenville Technical College, Florence-Darlington Technical College and Lander College in Greenwood.

The courses in engineering and nursing also will be broadcast live into Winthrop College in Rock Hill.

"Our idea is to allow individuals who aren't able to attend class on campus to receive the same quality of graduate education in viewing sites we've designated across South Carolina," says Marshall.

Classes will be telecast via S.C. ETV's Instructional Television Fixed Service, providing students with the opportunity to view the course and interact with the instructor and fellow students through a two-way audio system.

Marshall says the civil engineering course, taught by Professor William Ledbetter, will begin broadcasting Jan. 7 from 7 to 9 a.m. each Tuesday and Thursday. The education course, taught by a team of three professors — Virginia Stanley, Kathy Neal and Rebecca Moore — will air every Wednesday starting Jan. 6 from 4 to 6:30 p.m.

The course in financial management, taught by Professor John Harris, will begin Jan. 7 from 4 to 6 p.m. every Thursday. And the nursing course, taught by Syble Oldaker, will begin its broadcast on Jan. 12 from 4 to 6:30 p.m. and air each subsequent Tuesday.

Prospective graduate students seeking information on specific courses or enrollment procedures should write to Clemson University Telecampus at 212 Hardin Hall, Clemson, S.C. 29634 or call (803) 656-4190.

BITNET provides worldwide computer link

The list reads like a who's who of colleges and universities worldwide. There's Helsinki University, Istanbul Tech, the University of Tokyo, and Zurich University, to name a few.

Thirty-three pages, to be exact, of names and computer nodes that allow students and faculty members at Clemson to sit at a computer terminal, punch in a few codes, and chat with college professors and students all over the world.

It's called BITNET, a network of university computer systems at at least 1,000 universities worldwide — including Clemson and the University of South Carolina.

Says Drew Smith, manager of consulting at Clemson's division of computing and information technology: "We've just added schools in Asia, so now we can communicate with Japan, Taiwan and Singapore. It's fascinating. Now faculty and students can do combined research with any number of universities overseas by simply keying into the system."

Clemson is charged an annual fee for the service, essentially paying for a telephone line since that's the way the computer information is transmitted.

Any student, faculty or staff member with a computer identification name can use the network, provided that they have the computer identification of the person they want to transmit a message to.

"One physics professor I know is actually conducting his research on crystallography in conjunction with a university in France. He communicates with them using BITNET all the time," says Smith.

Engineering program ranks high nationally as a top producer of first-rate graduates

Clemson ranks as one of the nation's top producers of engineering graduates, according to the Oct. 15, 1987, issue of *Engineering Education* magazine.

The University came in 30th in the nation in number of bachelor degrees in engineering for 1986, with a total of 551 degrees awarded. Rutgers University ranked just above Clemson with 577 degrees awarded.

Clemson also ranked 29th in the nation — between Northwestern and Lehigh universities — in number of bachelor's degrees in engineering awarded to females. Ninety-three of those degrees went to women.

In addition, Clemson was cited as a top producer of bachelor's degrees in engineering to blacks in 1986, ranking 34th in the nation — just below University of Florida and above Mississippi State. Sixteen bachelor degrees in engineering were awarded to black candidates at Clemson that year.

Though Clemson has no formal recruiting program in engineering for women, it initiated a strong recruiting effort for blacks back in the late 1970s. "We bring the best and the brightest to campus during their sophomore year," says Robert Snelsire, professor of electrical and computer engineering and co-director of Clemson's Career Workshop, a minority recruitment program held each summer.

"Then we ask them back in their junior year," he adds. "We give them intense preparation for an engineering curriculum. And then, of course, we tell them all the glories of Clemson. It works."

There's a lot to learn from hag fish, researcher says

by Susan Turner-Lewis
University Science Editor

One thousand feet below the water's surface, it's dark. Very dark. Zero visability, interrupted every so often by occasional sparks of bioluminescense — the same light given off by fireflies.

It is liquid nothingness, except for rocks and mud, and a surprising number of deep water fishes, starfish and sea urchins.

What, then, has provoked biology Professor John Wourms to spend his summer exploring such great depths?

"Hag fishes," he explains.

Come again?

Hag fishes. They are jawless, primitive fishes that are eel-like in appearance. And they live anywhere from 300 to 15,000 feet deep in the ocean.

Why the interest in hag fishes?

"First, they're intrinsically interesting," says Wourms. "Hag fishes occupy a pivotal position in the evolutionary line that led to the higher vertebrates." By studying their embryonic development, Wourms says, we can glean important insight into the development of Homo sapiens.

Then there's the practical side of Wourms' study of hag fishes.

Hag fishes create a nuisance for fishermen by eating the bait in deep water lobster and crab traps, costing fishermen additional time and money.

And there's this: A small Korean industry has found an interesting — albeit somewhat eccentric — use for the hag fish. "Hag fish skin is processed into very high grade, exquisitely soft leather goods that are sold in exclusive boutiques," says Wourms.

Hag fish bags, belts and wallets. Wourms says the hag fishes' potential as a source of fine leather is phenomenal.

Wourms spent part of last summer searching for the fish at a depth of 1,000 feet in the Pacific's Monterey Canyon of California. The submarine canyon, says Wourms, drops to some 12,000 feet in depth — several times the size of the Grand Canyon in Arizona, "and all of this a stone's throw from Cannery Row," he adds.

Wourms' particular interest is the way in which hag fishes reproduce and develop. No one knows how they spawn, he says.

And knowledge of their reproductive behavior is crucial to developing any kind of viable leather industry or strategy to prevent them from becoming a true economic menace to lobster and crab fishermen.

Wourms tried conventional fishing techniques to collect eggs, unsuccessfully.

Then, in collaboration with Aubrey Gorman, a University of Washington biologist and John Pearse, a biologist at the University of California at Santa Cruz, he obtained a grant from the National Oceanic and Atmospheric Agency to fund four deep-sea dives in a submersible — what Wourms refers to as "the original Yellow Submarine."

Wourms and Pearse explored the dark depths of the Monterey Canyon in the submersible called Mermaid II equipped with special lights, TV and still cameras.

But they came away from their quest to find a treasure of hag fish eggs empty handed.

"We learned a lot and determined that the original maps of the spawning ground aren't accurate. We're on the right track, but we'll have to do more studies," says Wourms, adding that he's determined to collect egg specimens and to continue studying reproduction in the elusive hag fish.

Stress can cause holiday problems

by Becky Campbell,
Assistant Professor,
College of Nursing

LIVING WELL

Every year about this time, the familiar signs of stress start to take hold of our bodies. Irritability becomes rampant, illness seems to overtake us, fatigue is ever present, and the anxieties of wondering if it will all get done strike.

Although it is impossible to take all the damaging stress out of the holiday season, a few tips might help to at least make it tolerable.

Don't rely on memory this time of year. Use a large calendar to keep track of appointments, holiday activities and daily responsibilities. Stick reminders on the refrigerator or other central locations for the whole family to see.

Maintain good health habits. Eight to nine hours of sleep each night are important. Eating a balanced diet which includes foods from the four basic food groups is essential. Aerobic exercise for at least 20 minutes three times a week will help combat stress.

Simplify your life as much as possible. Don't overextend yourself by accepting too many invitations. If throwing a party, consider your limitations. Don't set unrealistic expectations of yourself or others. Nobody is perfect and things do not always happen as planned. Learn to delegate responsibilities to others who are capable of carrying them out.

Try to allow some time during the day just for yourself.

Since it is the holiday season, have a forgiving view of others. Stress often originates in grudges held from past problems. Make an effort to be kind, thoughtful and loving. And let this be the best holiday season ever.

At the President's Home, the Calhoun Mansion, Hanover House:

'Christmas in Clemson' opens historic homes for holidays

Christmas takes on a special meaning this holiday season as three historic homes make for "Christmas in Clemson" Dec. 4.

The President's home, the Calhoun Mansion and the Hanover House will all be decked out for the Yuletide season and will be open to the public for tours from 5 - 8 p.m.

A candlelight reception blending traditional and contemporary decorations at the President's home will be hosted by President and Mrs. Max Lennon with pianist Lillian Harder providing special Christmas music.

"We would like to share a glimpse of Christmases past and present in Clemson," says Ruth Lennon. "We hope everyone will join us for this special Christmas celebration at all three historic homes."

For the first time in more than 12 years, the Fort Hill Mansion home of John C. Calhoun will be decorated for Christmas. A simple Williamsburg decor coordinated by the Foothills Garden Club and the John C. Calhoun Chapter of the United Daughters of the Confederacy, conveys the aura of a Christmas spent by Calhoun and his family.

"The authenticity of the mansion brings to heart the warmth and hospitality of the Old South during the holiday season," says Ann Russell, curator of the historic houses. "We hope to establish an excellent foundation for the beginning of a Clemson Christmas tradition."

Candlelight tours highlight the journey into the 1700s at the Hanover House, which features a decor of natural greenery and fruits. The Colonial Williamsburg tradition of the house adds a unique flair with touches of ribbon, lace and tinsel.

The Christmas tree, an annual highlight of the Hanover House, will be trimmed in gold and white. All decorations are provided by the Cherokee Garden Club, the Clemson University Horticulture Club, the Colonial Dames of Spartanburg, the Foothills Garden Club and the Fort Hill Garden Club.

Festivities during the evening include refreshments and music by the Clemson Community Chorale, the Clemson Recorder Society and the University Madrigal Singers.

All the open houses are free and open to the public under the sponsorship of Clemson University, the Colonial Dames of Spartanburg and the John C. Calhoun Chapter of the United Daughters of the Confederacy.

For more information, call 656-2475 from 10 a.m. to noon and from 1 to 5:30 p.m. weekdays.

The Hanover House is one of three historic University homes to be decorated for "Christmas in Clemson" Dec. 4.

Players to present "Living Together" through Nov. 21

The Clemson Players will present "Living Together," a British farce, through Nov. 21. Performances will be at 8 p.m. in the Daniel Annex, with a 3:30 p.m. matinee Nov. 19.

"Living Together" examines the complicated and entangled relationships of three couples spending a weekend in the country.

Directing the play is Robin Roberts, a visiting instructor in the department of performing arts. Roberts is a graduate of Clemson whose play, "A Killing Frost," was produced by the Players in 1985.

Roberts says "Living Together" will be Clemson's entry in the American College Theatre Festival this year as an associate production, a category in which the play will be judged in Clemson as it is actually staged, rather than being taken to Washington, D.C., as the Players did in 1984 when they won a national award for "American Buffalo."

Ticket reservations for "Living Together" are available by calling 656-2476. Admission is $4 for the public, $2 for Clemson faculty and staff, and free for Clemson students.

Clemson
EVENTS
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

December 1987

2

Men's Basketball: Towson State, 7:30 p.m., Littlejohn Coliseum (656-2101).

Women's Basketball: S.C. State, Littlejohn Coliseum (656-2101).

2-4

Student-Faculty Art Sale. Works of art produced by students and faculty of visual arts department (656-3081), Lee Gallery, Lee Hall.

Laser Print Sale. Sponsored by University Union (656-2461), Art Gallery, Loggia.

2-17

MFA Thesis Exhibition. Sponsored by College of Architecture (656-3081), Lee Gallery, Lee Hall.

3-5

Film: "Some Kind of Wonderful." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

Swimming: Clemson Intercollegiate Invitational (656-2101).

4

Last class day.

Deadline for Christmas shuttle signups (656-2461).

"Christmas in Clemson." Tours of the President's Home, Calhoun Mansion and Hanover House, all decorated for the holidays, 5-8 p.m. (656-2475).

5

Men's Basketball: Mercer College, 5 p.m., Littlejohn Coliseum (656-2101).

Wrestling: Minnesota, 7 p.m., Jervey Center (656-2101).

Men's and Women's Indoor Track: Clemson All-Comers Invitational (656-2101).

Ice Skating/Shopping Trip to Charlotte, N.C. Sponsored by University Union (656-2461).

Women's Basketball: N.C. State, Littlejohn (656-2101).

6

Film: "It's A Wonderful Life." Sponsored by University Union (656-2461), 7 & 9:30 p.m., Y-Theater, students free.

7-12

Exams.

8-9

Seminar: "Pre-retirement education." For Clemson employees within 15 years of retirement eligibility. Sponsored by Personnel Division (656-3367), must register.

14

Meeting: Professional Secretaries International (656-2249), 5 p.m., Golden Corral restaurant.

16

Last day to preregister for spring semester.

Faculty/staff meeting: 10 a.m., Tillman Auditorium.

17

Graduation: 11 a.m., Littlejohn Coliseum.

18

University Housing closes, 8 a.m.

23-28

Christmas Holidays.

Clemson
WEEKLY
Vol. 27, No. 14 Dec. 2, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Emerging Technology Center receives grant

S.C. Electric and Gas Co. and its parent company, SCANA Corp., have made a a three-year grant totaling $600,000 for start-up activities associated with Clemson's Emerging Technology Development and Marketing Center.

The grant focuses on projects related to energy and economic development.

The center, says interim director Bob Gilliland, is a major effort by Clemson to help S.C. entrepreneurs and small product-manufacturing industries in advanced technology areas prosper and to help existing manufacturing industries introduce new products outside traditional corporate structures.

By offering more direct access to Clemson faculty, staff and student expertise, the center will help its clients turn their ideas and prototypes into products and then help the clients develop effective marketing plans to increase chances of commercial success.

"Perhaps 80 percent of the approximately 250,000 new businesses created in the U.S. in 1987 will fail within the next five years," says Gilliland, a special assistant to President Max Lennon and a professor of electrical and computer engineering. "The center's objective is to increase the chances that our clients — South Carolina companies — will be successful, thereby creating additional and better-paying jobs,"

"The bottom line here — and the reason for establishing the Emerging Tech Center — is to create jobs in South Carolina."
Max Lennon

Lennon likens the center to an "extension service for manufacturing."

"South Carolina cannot assume that business will be relocating here from the north and elsewhere," he says. "We must realize that we're going to have to grow our own companies.

"The bottom line here — and the reason for establishing the Emerging Tech Center — is to create jobs in South Carolina."

Professors conducting research stand to benefit greatly from involvement with industry through projects at the center, Gilliland says. In addition, the center plans to focus on marketing faculty inventions to industry, especially when the potential exists to establish a new manufacturing operation in South Carolina.

Clemson students also stand to benefit from the center, says Lennon. "Some will be directly involved in product development," he says, "and many will participate in assignments based on the faculty member's involvement."

An advisory committee is being established to provide guidance and direction to the center, and a nationwide search for a center director now is underway.

The grant from SCE&G and SCANA Corp. was presented to the Clemson University Research Foundation, the first such grant to be made to the newly established foundation set up exclusively to work with gifts, grants and contracts for research.

Briefly

Faculty, staff to meet in Tillman Hall Dec. 16

A general faculty and staff meeting will be held Wednesday, Dec. 16, at 10 a.m. in Tillman Hall Auditorium.

Guynn honored

A University forestry professor recently was elected president-elect of the southeastern section of the Wildlife Society at its annual meeting in Mobile, Ala.

David Guynn, a native of Virginia, will serve as 1987-89 president-elect of the Wildlife Society and then as 1989-91 president.

The Wildlife Society is an international organization of wildlife professionals. The southeastern section is comprised of 600 members in 13 states.

The society sponsors conservation programs, issues newsletters on conservation issues and affairs, and accredits graduate programs in wildlife and fisheries biology at colleges in the Southeast.

Student/faculty art sale continues through Dec. 4

The student/faculty art sale will continue in Lee Gallery until Dec. 4.

Hours are 6-8 p.m. Dec. 2 and 9 a.m.-5 p.m. Dec. 3-4.

For more information, call Tom Dimond at 656-3081.

Fire marshal evaluates drill performance

The performance of University staff, faculty and students during recent campus fire drills was adequate; yet several significant problem areas still remain, says Tommy Tucker, University fire marshal.

The first problem area, he says, is total building evacuation.

"Most buildings had near total evacuation in good time with control and orderliness; yet, there were those who chose not to evacuate," he says. "Even though it's only a drill, everyone still needs to follow through and leave the building. You may assume it's only a false alarm, but isn't your life worth more than an assumption?"

Even if building occupants don't see smoke or fire, they shouldn't bet their lives by staying inside, he says. "Since many campus buildings are quite large, danger may exist in places undetectable from most vantage points. A quick and orderly evacuation is the best line of defense when faced with the unknown," he says.

The second problem area is completing the actual evacuation process.

When leaving buildings, occupants should clear the area. Emergency personnel and equipment will be arriving and must have a clear area to work. In addition, broken glass and other debris may fall as far as 50 feet from the building. All surrounding outside walkways, stairways, roads and grassy areas should be cleared by at least 100 feet.

A third problem is that many foreign students are unaware of what to do when an alarm sounds, says Tucker. "Please see that all personnel in your area know how to evacuate your building during a fire alarm. This is essential if we are to prevent a tragedy in an actual emergency."

A fourth problem is that many fire doors are left propped open around campus. While this may be of little concern for most, it could cost someone's life, he says.

"Smoke from an open fire door can turn a stairway into a chimney, blocking the only way out for some," he says. "If you see an exit door propped open, please close it. Also, don't use elevators in an emergency. Stairways are the only safe exits."

Tucker says he would like to congratulate the occupants of Sikes Hall, Barre Hall and Mell Hall, all of whom had total building evacuation.

"We had a good response overall, but we must do better," he says. "Please remember to evacuate buildings as quickly and as completely as possible and to remain clear until the fire department says it's safe to return. Following this advice will go a long way in ensuring that time spent at Clemson is time safely spent."

Personnel sponsors retirement meeting

The Personnel Division will host a Retirement Planning Meeting Jan. 28 in the Senate Chambers. The meeting is designed for employees retiring within the next 12 months, but all interested persons are invited to attend either the 9:30 a.m. session or the 1:30 p.m. session. The information in each session is the same.

Representatives from the S. C. Retirement System, Social Security Administration and the University Payroll/Insurance Office will be there to provide information and answer questions.

Requests for retirement benefit estimates (for the S. C. Retirement System) must be made no later than Dec. 15, 1987.

Employees who have already received estimates should bring them along for reference.

For more information, call the Personnel Division at 656-3367.

MINIMUM NAMED ENDOWMENT FUND GUIDELINES

A headline in the Nov. 18 *Clemson Weekly* incorrectly identified the faculty position to be endowed by a gift from George J. Bishop III and a group of his friends and business associates. The gift will endow the George J. Bishop III Distinguished Professorship in Ceramic Engineering. Under policies adopted July 11 by the Board of Trustees, the following guidelines govern the naming of funds, scholarships, fellowships and faculty positions endowed by private gifts:

$1,500,000	**(Named) Trustees Chair**
1,000,000	**(Named) Chair**
750,000	**(Named) Distinguished Lectureship**
500,000	**(Named) Distinguished Professorship**
250,000	**(Named) Professorship**
100,000	**Presidential Scholarship Fund (In name of)**
100,000	**(Named) Library Endowment Fund**
50,000	**(Named) Fellowship**
25,000	**(Named) Scholarship**
10,000	**(Named) Library Book Fund**
5,000	**(Named) Memorial Fund**

The Clemson University Newsletter is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Dec. 8, noon, for Dec. 16 Issue.**

Clemson
/ol. 27, No. 15 WEEKLY Dec. 9, 1987
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Twenty named University employees of the year

Twenty employees have been recognized as University employees of the year in a new program designed to honor individuals who have been exemplary in their job performances throughout the past year.

The group was honored at an Employee Awards Luncheon sponsored by the Personnel Division.

President Max Lennon praised the employees for their dedication, saying, "You all have been singled out because you are some of our very best whose performance has been outstanding in your particular areas.

"You should be exceedingly proud to have been identified by those around you for your dedication to Clemson University and higher education."

Vice presidents from four areas presented awards to these employees:

Administration:

Ed Lester, public safety officer, police department

John McKenzie, administrative assistant, police department

Agriculture & Natural Resources:

Paul Gable, director of management services, Extension administration

Miriam Roman, Extension Service program assistant in the Expanded Food and Nutrition Education Program in Sumter County

Victor Shelburne, forester, forestry

James Arnold, agricultural science associate, horticulture

Benjamin C. Morton, agricultural science associate, agronomy and soils

Ira Austin Swift, programmer analyst, entomology

Dorothy H. Burchfield, administrative specialist, agricultural engineering

Dianna G. Haynes, administrative specialist, entomology

Louise C. Elliot, accounting clerk, agronomy and soils

Gail Jameson, administrative specialist, agronomy and soils

Donnie King, agricultural science associate, 4-H

James D. Coleman, trades supervisor, 4-H

Sherry Holder, illustrator, agricultural engineering

Mary Harvey, executive support specialist, 4-H

Institutional Advancement:

Louise Hopkins, director of donor relations, advancement services

Jack McKenzie, alumni/development news editor, University Relations

Student Affairs:

Zemily Gilbert, office manager, Admissions and Registration

Verna Howell, director of residential life, Housing

Employees of the Year

for 1987-88 shown with President Max Lenon are (bottom row, left to right): Shelburne, Morton, Swift, Haynes, Jack McKenzie, Lester, John McKenzie. (second row, left to right): Harvey, Arnold, Elliot, Jameson, Roman, Lennon, Hopkins. (back row, left to right): Howell, Gable, Burchfield, Holder, Gilbert.

Not pictured are Donnie King and James Coleman.

Briefly

Faculty, staff to meet in Tillman Hall Dec. 16

A general faculty and staff meeting will be held Wednesday, Dec. 16, at 10 a.m. in Tillman Hall Auditorium.

Secretaries meet; registration available for CPS review

Professional Secretaries International will meet Dec. 14 at 5 p.m. in the Clemson Golden Corral.

All secretaries are welcome.

For information, call 656-2249.

Also, registration for the spring session of the Certified Professional Secretary Review Courses sponsored by the Clemson Chapter of Professional Secretaries International will be going on through Jan. 5.

Classes begin Tuesday, Jan. 5, from 7-9 p.m. with "Office Technology." "Business Law and Accounting" also will be offered.

To register, call Kerry Harper, School of Accountancy at 656-3265.

Cost is $30 per course for PSI members; $45 per course for nonmembers. Limited seating is available. Classes will be held in Room 109 Lowry Hall.

History professor to study women in science

History Professor Pamela Mack has received $118,000 from the National Science Foundation to study the history of the education of women in science.

The grant provides support for a case study of the significance of sex-segregated instruction in science for women and will focus on Mt. Holyoke College in South Hadley, Mass.

Says Mack, Mt. Holyoke, a women's college, has produced a significant number of graduates who have gone on to earn doctorates in the sciences.

"We want to study the science teaching program at Mt. Holyoke," she says, "to see if we can determine what accounts for these women's success and interest in science. Also, we believe that understanding the success of this program will give us knowledge of how to structure science programs to meet the needs of women students, not just at the college level but even before that. Many girls lose interest in science long before they reach college. We hope to learn how to prevent that."

Mack says the project will take about two-and-a-half years. Working with her will be Miriam Levin of Five Colleges Inc. in Amherst, Mass.

Historic homes open through Dec. 13

The Calhoun Mansion and Hanover House will remain decorated for the Christmas holidays through Dec. 13.

Hours are as follows:

Monday - Friday: 10 a.m. - noon and 1 - 5:30 p.m.

Saturday: 10 a.m. - noon and 1 - 5 p.m.

Sunday: 2 - 6 p.m.

For special tours or additional information, call 656-2475.

Volunteer award nominations accepted until Jan. 15

Nominations for next year's national President's Volunteer Action Awards will be accepted until Jan. 15.

The awards were established in 1982 to honor and draw public attention to individuals and groups engaged in outstanding and innovative volunteer efforts.

The awards program is cosponsored by VOLUNTEER — The National Center, a private, nonprofit organization, and ACTION, a federal agency.

For more information, write to The President's Volunteer Action Awards, P.O. Box 37488, Washington, D.C. 20013.

Traffic office moves

If you're looking for the University traffic office, it's not where it used to be.

The Office of Parking and Vehicle Registration has moved into the University Square Mini-Mall beside Hardee's. The new location is on the first floor underneath Los Hermanos restaurant.

The office telephone number is still 656-2270; however the new address is 302 Seneca Road.

University gets extra Christmas holiday

The University will be getting an extra holiday this year.

Gov. Carroll Campbell has declared Dec. 24 a state holiday. Since the University already is taking that day off, the administration has decided to take this "extra" day on Dec. 31.

The 1987-88 University holiday schedule is as follows:

1987
Dec. 23-25, 28, 31 (Christmas)

1988
Jan. 1 (New Year's Day)
March 17-18 (Spring Break)
July 4 (Independence Day)
Nov. 7-8, 24-25 (Fall Break, Thanksgiving)
Dec. 22-23, 26-27 (Christmas)

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Clemson faculty salary report (fall semester 1987-88)

The faculty salary report from the Office of the Provost is based on a 9-month pay period. It includes maximum, minimum, median and average salaries by sex and rank for each college and the library. If a category contains less than five faculty members, no information is given other than the number of members in that category (shown in parentheses). Part-time and visiting faculty have been excluded.

Professor - Male

College	Faculty	Max $	Min $	Med $	Avg $
Agriculture	108	65,709	31,863	42,333	42,738
Architecture	17	52,789	37,935	43,806	44,263
Comm./Ind.	36	76,875	32,103	48,595	50,847
Education	12	49,737	38,235	45,235	43,691
Engineering	50	76,256	39,639	51,300	53,020
Forest/Rec.	21	51,893	35,227	42,738	44,113
Liberal Arts	30	65,000	28,121	39,369	41,173
Sciences	70	70,000	33,183	48,833	49,077

Professor - Female

Agriculture	(3)				
Architecture	(1)				
Comm./Ind.	(2)				
Education	(2)				
Liberal Arts	5	58,600	31,449	37,054	39,526
Nursing	(1)				
Sciences	6	54,635	35,113	41,123	42,629
Total:					
	355 (9)	76,875	28,121	45,270	46,323

Associate Professor - Male

College	Faculty	Max $	Min $	Med $	Avg $
Agriculture	57	46,217	27,569	33,147	33,571
Architecture	15	39,820	30,311	35,653	35,054
Comm./Ind.	22	50,000	33,311	41,907	41,549
Education	11	40,282	27,937	32,374	32,072
Engineering	38	51,699	35,600	41,000	41,578
Forest/Rec.	16	39,086	28,692	32,678	32,778
Liberal Arts	40	40,938	25,010	29,319	29,825
Nursing	(1)				
Sciences	39	48,000	24,000	33,897	35,843

Associate Professor - Female

Agriculture	9	37,358	27,959	31,640	31,638
Architecture	(2)				
Comm./Ind.	(2)				
Education	(4)				
Engineering	(2)				
Forest/Rec.	(1)				
Liberal Arts	7	33,150	26,110	31,978	30,503
Nursing	(4)				
Total:					
	254 (16)	51,699	24,000	33,588	35,039

Assistant Professor - Male

College	Faculty	Max $	Min $	Med $	Avg $
Agriculture	30	34,208	25,395	28,699	29,155
Comm./Ind.	20	45,675	29,114	38,000	37,971
Education	(4)				
Engineering	22	38,612	33,948	36,500	36,542
Forest/Rec.	5	29,203	24,062	26,625	26,635
Liberal Arts	33	30,597	20,296	24,750	25,227
Sciences	18	41,000	23,091	30,913	32,465

Assistant Professor - Female

Agriculture	9	33,370	25,111	28,596	28,956
Architecture	(1)				
Comm./Ind.	(4)				
Education	5	27,606	24,000		25,241
Engineering	(3)				
Forest/Rec.	(3)				
Liberal Arts	13	27,268	21,418	24,750	24,710
Nursing	16	36,664	24,247	32,778	31,256
Sciences	6	28,560	25,931	28,067	27,625
Total:					
	177 (15)	46,217	20,296	29,203	30,292

Instructor - Male

College	Faculty	Max $	Min $	Med $	Avg $
Agriculture	(3)				
Comm./Ind.	(4)				
Education	(1)				
Engineering	(1)				
Forest/Rec.	(1)				
Liberal Arts	10	26,275	15,850	16,912	18,738
Sciences	(1)				

Instructor - Female

Education	(1)				
Forest/Rec.	(1)				
Liberal Arts	8	18,204	15,850	16,000	16,272
Nursing	(1)				
Sciences	(1)				
Total:					
	18 (15)	26,275	15,850	16,042	17,642

Other - Male

College	Faculty	Max $	Min $	Med $	Avg $
Libraries	5	25,510	15,600	18,606	19,430

Other - Female

Libraries	9	26,728	17,178	20,153	21,792
Total:					
	14	26,728	15,600	19,738	20,948

Degree audit coordinator works to make advising easier

Richard Carpenter is working to take some of the hassle out of the student advising process.

The Florida native has been hired to computerize a system for monitoring a student's progress toward graduation.

As degree audit coordinator, Carpenter will coordinate the development of a degree progress report, a computerized system designed to compare a student's completed courses and those in which he or she is currently enrolled with specified degree course requirements.

Carpenter will work with Administrative Programming Services (APS), the Registrar's Office and all colleges within the University in defining course requirements.

"The new system will benefit everyone at the University," he says. "Students and advisers will be using the same information to determine the student's academic progress. Discrepancies among students, advisers and the Registrar's Office about the student's current level of progress toward satisfying degree requirements will be identified early."

The degree progress report is a long-range project in the preliminary stages of development. Carpenter hopes to use the progress report for a subset of current freshman in the spring.

"We are using a methodical, step-by-step approach. We want to identify as many problems as possible up front," he says. "A team from the Registrar's Office, the academic departments and APS is working together on the project. Each person plays a key role."

For the past three years Carpenter has been a scientific programmer in the department of agricultural economics and rural sociology. He provided technical programming support to the faculty, assisted in developing software applications for the Extension Service and taught user-level computer training courses.

Before coming to Clemson, Carpenter worked as a teacher, as program director for the S.C. Mental Retardation Department in Clinton and Seneca and as a technical writer for NCR Corp. in Liberty and Computer Professionals in Greenville.

Alumni Association offers package trips to Citrus Bowl

The Alumni Association, in conjunction with Collegiate Athletic Tours, is offering a selection of three- and four-night Citrus Bowl packages for the Tigers' game against defending national champion Penn State.

The deluxe package features accommodations at the downtown Radisson Plaza Hotel, admission to the hotel's New Year's Eve party and a pre-game champagne breakfast. Double occupancy rates start around $269 for three nights.

The basic package features accommodations at the Lakefront Inn or the Altamonte Springs Hilton. Double occupancy rates start around $215 for three nights.

Both packages include game tickets. Those who already have tickets may deduct $29 from the overall cost.

For more information, call the Alumni Association at 656-2345 or 656-5665 between 8:30 a.m. and 5 p.m. Monday through Friday.

New assistant registrar named in Student Records Office

Debra Sparacino has been named assistant registrar in the Office of Student Records, which is responsible for maintaining permanent records of all University students.

In her new position, she will develop an automated transcript system to enable the office to print student transcripts directly from its computers.

"Although students' grades are stored electronically under the present system, we can't automatically print transcripts," she says. "We have to photocopy transcripts from hard copies we have on file. Streamlining this system will be one of my immediate priorities."

And when it comes to students, Sparacino says her office handles a little bit of everything.

"Our office maintains everything that goes into a student's permanent record, including transfer credits, grade corrections and make-up grades," she says. "We also issue more than 1,500 official transcripts each month to students."

In addition, Student Records audits degree requirements for graduation candidates.

"Clemson is one of the few universities that requires students to have completed all their graduation requirements before participating in the ceremony," she says. "Our office does a last minute check-up after finals on all degree candidates before clearing them for graduation," she adds.

The office coordinates the May, August and December graduation ceremonies.

"We pull together all aspects of the graduation ceremony," she says. "We order all the diplomas and work with faculty, the Physical Plant and guest speakers to produce the program," she says.

The Anderson native was formerly a transfer admissions counselor in the admissions department here. She earned a bachelor's degree in early childhood education and a master's degree in guidance and counseling, both from Clemson.

Departmental Notes

Agricultural Economics & Rural Sociology

J. C. O. Nyankori (Assoc Prof) presented a paper, "Theoretical Foundation and Empirical Framework for Evaluating Interbasin Water Transfer Policy: The Case of South Carolina Water Systems," at the International Conference on Computer Applications for Water Supply and Distribution held at Leicester Polytechnic Institute, Leicester, United Kingdom, Sept. 7-10.

Architecture - Office of the Dean

James F. Barker (Dean) was elected Southeast Regional Director of the American Collegiate Schools of Architecture at its annual meeting in Los Angeles, Calif.

Bioengineering

David D. Moyle (Assoc Prof) presented two papers at the American Society of Biomechanics meeting at the University of California at Davis: "Correlation of Mechanical Properties of Whole Vertebral Bodies with Equivalent Mineral Densities Measured by QCT," co-authored with **D. M. Donovan** and **D. J. Adams** (Grad Assts), E. W. Berg and A. T. Gilpin (Univ. of S. Carolina School of Medicine) and M. Tkacik (Richland Memorial Hospital, Columbia), and "Use of Shock Absorbing Insoles to Reduce Impulsiver Loading at Heelstrike in Arthritic Subjects," co-authored with **M. Russo** (Former Grad Asst) and E. W. Berg and F. Piehl (Univ. of S. Carolina School of Medicine).

Biological Sciences

D. G. Heckel (Assoc Prof) and B. E. Tabashnik (Univ of Hawaii) presented a paper entitled "Comparing Resistance Levels to Many Pesticides in Many Populations" at the 194th meeting of the American Chemical Society in New Orleans Aug. 31.

Heckel and **T. M. Brown** (Assoc Prof, entomology) have been awarded $93,548 from the USDA Competitive Grants Program for their research proposal, "Basic and applied genetic linkage mapping in Heliothis virescens."

Heckel also presented a paper entitled "Environmental Determinants of Newt Larval Growth Curves" at the 72nd annual meeting of the Ecological Society of America in Columbus, Ohio, Aug. 11.

Biology Program

Doris R. Helms (Prof and Head) and **William Surver** (Assoc Prof) were selected to represent South Carolina colleges and universities at the Decker Biology Conference held at the University of Richmond September 11-13. The purpose of the conference was to discuss the possibility of establishing a national curriculum in biology.

Robert J. Kosinski (Assoc Prof) and **William M. Surver** (Assoc Prof) were awarded $50,000 from IBM Corporation to study the Integration of Biology Microcomputer Programs into the Pre-College Curriculum. A total of $110,000 has been received to support this project.

The Biology Program planned and hosted "Technology and Techniques for Biology Education" Update-1987, for members of the National Association of Biology Teachers, August 7-8. The following members of the Biology Program presented seminars and workshops:

Ric Garcia (Assoc Prof), "Records Management, Test Generation, and Authoring of Lessons with Microcomputers."

Doris R. Helms (Prof and Head), "Advanced Placement Laboratory Exercises."

Robert Kosinski (Assoc Prof), "In-house Production of Computer-Assisted Instruction" and "The Integration of the IBM Biology Series into the High School and Middle School Curriculum" (with **William Surver**, Assoc Prof).

William Leonard (Prof), "Biology Laboratory Simulations on Interactive Videodiscs."

Sharon Miller (adj Assoc Prof), "Project Learning Tree," and "Project Wild."

Ken Revis-Wagner (Assoc Prof), "Using Non-poisonous South Carolina Snakes in the Classroom."

Denny Smith (Instr), "Purchase, Use, and Troubleshooting of AV Equipment," "Interactive Programming with Commercially Available Generic Videodiscs" (with **William Surver**, Assoc Prof), "Low Budget Videotape Production as a Class Project," and "Basic Microscopy and Videotaping through the Microscope."

James Schaadt (Lect), "The Basics of Videodisc Technology."

William Surver (Assoc Prof), "Recent Advances in Human Genetics."

Building Science

Roger W. Liska (Assoc Prof and Head) published "Indoor Air Pollution As An Issue in Planning Schools," in the September-October 1987 issue of the Journal for the Council of Educational Facility Planners, International.

Liska also made a presentation entitled "Training Alternatives for Construction Project Supervisors" at the fall meeting of the Edison Electric Institute Construction Committee, in Chicago, Ill., Sept. 14.

In addition, Liska attended the mid-year Board Meeting of the American Council for Construction Education in Denver, Colo. July 23-24. He presented a training session on making an accreditation visit. He also was elected national vice president of the organization .

Ceramic Engineering

Burtrand I. Lee (Asst Prof) traveled to Korea and Japan this summer to lecture and consult on sol-gel ceramic processing and applications. He presented two papers at international conferences on sol-gel derived ceramic composites.

Chemistry

R. A. Abramovitch (Prof) recently published two papers: "Regiospecific Amination of 3-Substituted Pyridines Using Imidoyl Chloride Functionalized Polystyrene" in Heterocycles 1987, co-authored with **Wang You-Xiong** (Grad Stu), and "Flash Vacuum Pyrolysis of a-Toluenensulfonyl Azide" also in Heterocycles 1987, co-authored with **R. R. Harder** (postdoctoral fellow) and **W. D. Holcomb** (Grad Stu).

In addition, Abramovitch spent three weeks in China at the invitation of Tsingua University in Beijing and the five days in Hong Kong at the invitation of the University of Hong Kong, in June 1987.

At Tsingua University, he gave a

graduate course on selected topics in organic chemistry, including the chemistry of electron-deficient reactive intermediates, on flash vacuum pyrolysis, and on sigmatropic rearrangements in heterocyclic compounds. While in Beijing he also gave a lecture at Beijing University and visited the Institute of Chemistry Academia Sinica and at the Institute of Organic Chemistry of the Chinese Academy of Sciences. He also consulted with a pharmaceutical company specializing in traditional Chinese drugs.

In Hong Kong, he lectured at the University of Hong Kong on "Intramolecular Substitution by Arylnitrenium Ions".

K. Dill (Assoc Prof) gave an invited seminar on "Multinuclear 1D and 2D NMR Studies on the Biological Fate of Organic Arsenicals and on the Carbohydrate Structures of Glycoproteins" to the biochemistry department of the University of Tennessee at Knoxville Sept. 30th.

In addition, Dill has been invited to be a special consultant to the Biophysical Study Section of the National Institutes of Health at the October panel meeting in Washington, D.C.

R. Thomas Keel (Grad Asst) presented two papers co-authored by **T. Tisue** (Assoc Prof), "Preparation of Ultrapure Potassium Peroxy-disulfoto for Use in Trace Metals Analyses" and "Zinc Dynamics in Lake Michigan" at the International Conference on Heavy Metals in the Environment in New Orleans, Sept. 15-18.

A. R. Pinder (Emeritus Calhoun Prof) and J. L. von Rosenberg (Prof) presented a seminar on "The Chemistry of Arenechromiumtricarbonyl Complexes" at the University of Central Florida, Orlando, Sept. 22.

T. Tisue (Assoc Prof) presented a paper, "Manganese Speciation in a Southeastern Reservoir," co-authored with **T.-M. Hsiung** (Grad Asst) at the Symposium on Bioavailability of Trace metals, during the national meeting of the American Chemical Society in New Orleans, Aug. 31-Sept. 4.

In addition, **Tisue** and co-author **David Dunn** (Grad Asst) presented a paper on "113mCd as a Biogeochemical Tracer of Cd in the Environment" at the International Conference on Heavy Metals in the Environment in New Orleans, Sept. 15-18.

Civil Engineering

Subhash C. Anand (Prof), **Ayubur M. Rahman** and **Kishore K. Yalamanchili** (Ph. D. students) attended the 4th North American Masonry Conference held at UCLA on August 16-19, 1987, at which Prof. Anand presented a paper coauthored with Mr. Yalamanchili, entitled "Evaluation of Loads at Cracking in Collar Joints of Composite Masonry Walls." Anand also attended a meeting of the Research Committee of The Masonry Society during this conference.

Consulting and Technical Services

Drew Smith, Pam Purcell and **Kathy Hunter** presented papers at the 15th Annual User Services Conference, sponsored by the Special Interest Group on University and College Computing Services of the Association for Computing Machinery.

Smith presented "Computer Conferencing Systems: How do we Support them?" Purcell presented "Documentation: Document Distribution and Maintenance." Hunter presented "Which Way to Go?"

In addition, Smith and Purcell chaired sessions on "New Tools for New Users" and "Newsletter Production," respectively.

Electrical and Computer Engineering

F. R. Sias, Jr. (Assoc Prof) coauthored with R. J. Roman, a chapter in Mathematical Models in Medicine on "Network Computer Analysis of the Human Kidney," reprinted from the journal Mathematical Modeling.

In addition, Sias presented a paper titled "Design in Motion Control of Practical Biped Robots" at the IASTED International Symposium Robotics and Automation" held in Santa Barbara, Ca., May 27-29, 1987. The paper, with **Y. F. Zheng** as first author, was later published in Robots and Automation, a publication of the International Association of Science and Technology Development.

Elementary and Secondary Education

Carolyn Briscoe (Prof) has been named to an Ad Hoc Committee on Counselor Recognition for Kappa Delta Pi, and international honor society in education. The committee will make recommendations to the International Convocation Assembly in New Orleans, April 1988.

Don Fuhr (Assoc Prof) had the following articles published: "Principals Assignment: Advanced Toward Educational Excellence" in National Association Secondary School Principals Bulletin, May 1987 and "The Three Don'ts of Leadership," American Association of School Administrators - The School Administrator, August 1987.

William H. Leonard (Prof) served on the National Revision Team for the 1987 edition of Biological Science: An Ecological Approach, a high school biology text developed by the Biological Sciences Curriculum Study.

Leonard also presented "A Paper and Pencil Inquiry Activity on to Teach Control for and Manipulation of Experimental Variables" to the Association of Biology Laboratory Education in Minneapolis June 15-18.

Leonard also published "Interactive Videodiscs: Computer Assisted Instruction of the Future?" in the Summer 1987 issue of Collegiate Microcomputer.

In addition, Leonard attended a meeting as the representative of the National Association of Biology Teachers on "The Role Science in a Liberal Education" sponsored jointly by the American Association for the Advancement of Science and the Carnegie Foundation June 12-13 in Washington, D.C.

Engineering Graphics

V. B. Anand (Assoc Prof) was elected Director of the Professional and Technical Committees, Engineering Design Graphics Division, American Society for Engineering Education. This past spring, she became a member of the Board of Review for the Engineering Design Graphics Journal.

Anand also received $44,514 from the National Science Foundation to study the use of free-form, low degree, algebraic surfaces in solid modeling systems.

English

Richard J. Calhoun (Alumni Prof) is the author of "Rufus Griswold" in American Literary Critics and Scholars, 1800-1850, Dictionary of Literary Biography,

Vol. 59.

Calhoun also published "Mark Twain" in American Orators before 1900.

Calhoun also delivered a lecture sponsored by the Institute for Southern Studies on "'The Royal House Nurtured by Slavery: The Autobiography and War Diary of William J. Grayson" at the University of South Carolina, Sept. 30.

Sterling Eisiminger (Assoc Prof) published a poem "Packaged and Tied" in the annual issue of The Wittenburg Review.

Dixie Goswami (Prof) was appointed Visiting Professor for the spring term (1988) at the University of London in the Department of English, Language, and Media Studies.

Goswami also was appointed to the Modern Language Association's Committee on Teaching and Related Professional Activities.

In addition, Goswami was the Keynote Speaker ("Many Stories, Many Voices") for the Ontario Council of Teachers of English, Toronto, October 1987.

Carol Johnston (Asst Prof) presented "Detailing Wolfe's Career" at the Thomas Wolfe Society's Annual Meeting, Chapel Hill, N.C., May, 22.

David Tillinghast (Assoc Prof) published "Cubia Construction" (nonfiction) in the Antigonish Review (Summer/Autumn 1987).

Extension Home Economics

Glennis M. Couchman (Assoc Prof) presented Work History Patterns of Midlife Women: Multi-Nominal Logit Analysis" at the Family Economics Preconference workshop on "Destiny of Families: How Their Futures are Chosen." The Preconference was part of the Annual Meeting of American Home Economics Association held in Indianapolis, Ind., June 27 - July 2.

C. T. Mounter (Assoc Prof) presided at a meeting of state Extension volunteer leadership coordinators and advisers at the NEHC national convention in Indianapolis, Ind. in September.

Forestry

R. L. Hedden (Prof) and S. C. Cade (Weyerhauser Company) published "Growth Impact of Pine Tip Moth on Loblolly Pine Plantations in the Oachita Mountains of Arkansas" in the Southern Journal of Applied Forestry.

In addition, Hedden, J. E. de Steigeur (U.S. Forest Service), and J. M. Pye (U.S. Forest Service) published "Optimal level of expenditure to control the southern pine beetle," USDA SE Forest Exp Sta Res Paper SE-263.

A. W. C. Lee (Assoc Prof), **Z. Hong** (Res Assoc), D. R. Phillips (U.S. Forest Service) and C. Y. Hse (U.S. Forest Service) published "Effect of cement/wood ratios and wood storage conditions on hydration temperature, hydration time, and compressive strength of wood-cement mixtures" in Wood and Fiber Science.

In addition, Lee and E. J. Biblis (Auburn Univ) published "Effect of veneer quality and specimen type on compression properties of southern pine plywood in dry and wet conditions" in Forest Products Journal.

L. R. Nelson (Asst Prof), B. R. Zutter (Auburn Univ), P. J. Minogue (Auburn Univ), and D. J. Gjerstad (Auburn Univ) published "Hardwood Plantation Growth Following Weed Control Using Herbicides and Cultivation" in the Southern Journal of Applied Forestry.

L. E. Nix (Assoc Prof) and C. L. Brown (Univ. of Georgia) published "Cellular kinetics of compression wood formation in slash pine" in Wood and Fiber Science.

Students in non-technical majors to benefit from grant to cooperative education department

University students majoring in non-technical fields will have a much better chance of getting cooperative education jobs thanks to an $85,000 grant from the U.S. Department of Education.

"The grant will be used mainly to develop a wider range of co-op jobs for non-technical majors through an expansion of our department," says Dave Scherrep, assistant director of cooperative education.

"Companies in non-technical fields do not actively recruit co-op students as much as technical companies do," he says. "This grant will allow our department to hire another employee to investigate companies in non-technical fields as possible co-op employers and to develop an interest in co-op jobs among non-technical majors."

In 1984, the department processed only 400 co-op students. Now there are 614 co-op students, and with the grant the office sees a potential of at least 1,000.

Of the 614 co-op students, 85 percent are in engineering or other technical majors. The rest come from other colleges such as Commerce and Industry, Agricultural Sciences and Liberal Arts.

To help balance the scales, Scherrep says designated faculty in each of the under-represented colleges will be released from one quarter of their regular work schedules to promote cooperative education in their colleges and to research the co-op job market for their college.

The cooperative education department processes approximately 400 student applications each year for co-op jobs. Cooperative education allows students to gain hands-on experience in the workplace while still in college.

The department assists students in interviewing for jobs related to their majors. Upon confirmation of a co-op job, students alternate semesters between college and the workplace with the stipulation that they maintain at least a 2.0 grade point average in school and good standing with the company.

This is the third time that Clemson has received such a grant from the Department of Education.

Giving now could mean bigger tax break next year

The faculty-staff chairman for the University's academic fund says a gift before New Year's could mean a bigger tax break than the same gift in 1988.

The continuing phase-in of the Tax Reform Act of 1986 will change how charitable contributions in 1988 will count for tax purposes. For many taxpayers, the changes will lessen the impact gifts have as tax deductions.

"If you are not currently giving to the Loyalty Fund, our annual fund for private support, I encourage you to do so before the year ends," says Tom Skelton, professor and acting department head in entomology, in a letter sent last week to 3,700 Clemson colleagues.

"Tax deductible contributions in 1987 will mean more to most individuals than the same contribution in 1988."

Skelton's letter is part of a larger drive to increase faculty and staff participation in the Loyalty Fund. The next step will be a payroll-deduction drive beginning in January.

"Last year, only 300 non-alumni faculty and staff members made gifts to the Loyalty Fund and only 96 did so through payroll deduction," says Ann Smith, Loyalty Fund director.

"We hope to increase that considerably this year," she says. "After all, if there is anybody who can appreciate the importance of programs that the Loyalty Fund makes possible, it's those of us who are involved in and see the results of those programs every day."

Programs supported by unrestricted gifts to the Loyalty Fund include R.F. Poole Alumni Scholarships for top entering freshmen, Alumni Professorships for outstanding faculty members, faculty research and development grants, the Performing Artists Series, *Clemson World* magazine, the Master Teacher Award, and awards for distinguished research and public service.

These and numerous other programs and activities are funded annually, based on University needs and priorities, from Loyalty Fund contributions received during the year.

Information on how to make Loyalty Fund gifts through payroll deduction will be mailed to employees next month.

University scientists receive Hatch Act Research Awards

University researchers were among agricultural leaders and scientists honored at a banquet recently by the S.C. Agricultural Experiment Station for their contributions to agriculture.

The awards banquet concluded a daylong symposium celebrating the centennial of the signing of the Hatch Act, the federal legislation that provides annual funding to support agricultural experiment stations in each state.

University scientists honored with Hatch Act Research Awards were:

Ted Adkins Jr., entomology;
George Aull, agricultural economics and rural sociology;
O. W. Barnett Jr., plant pathology and physiology;
Wilbert Byrd, experimental statistics;
Sidney Hays, entomology;
Donald Henricks, animal science;
Willis King, dairy science;
Jack Mitchell Jr., food science;
Glen O'Dell, dairy science;
James Stepp, agricultural economics and rural sociology;
Thomas Wilson, agricultural engineering.

Research awards also were presented to W. A. Balk and Harold Musen, researchers at the Edisto Research and Education Center.

Leadership awards were presented to University Trustee Bill Amick of Batesburg; S.C. Farm Bureau president Harry Bell of Columbia; Eastern Foods Inc. President Robert Brooks of Fayetteville, Ga.; Coker Pedigreed Seed President Joe Dahmer of Hartsville; and Sen. Ed Garrison of Anderson.

Leadership awards were also presented to Gold Kist chief executive officer William Gaston III of Atlanta; Darlington County farmer Laurie Lawson of Darlington; retired chairman of the board of Dun and Bradstreet Wilson Newman of Charlottesville, Va.; George Park Seed Co. chief executive officer William Park of Greenwood; Richland County farmer Robert Lee Scarborough of Eastover; Cryovac President William Sturgis of Duncan; S.C. Wildlife and Marine Resources Department Director James Timmerman of Columbia; and S.C. Commissioner of Agriculture Leslie Tindal of Columbia.

The centennial celebration was held Nov. 5 at Clemson.

Lennon to appear on S.C. ETV Dec. 11

President Max Lennon will appear on a live, one-hour special on S.C. ETV Friday, Dec. 11 as part of a panel discussion on higher education.

The 9-10 p.m. special will wrap up a weeklong series of segments on the "JOURNAL" program concerning issues surrounding higher education and its future in South Carolina.

A media panel will question Lennon, S.C. Commission on Higher Education Chairman Fred R. Sheheen and Winthrop College President Martha Kime Piper.

All questions will come from the studio. There will be no live audience or call-in questions.

The program can be seen on any ETV station in South Carolina, locally on WNTV, Channel 29 in Greenville.

Clemson
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Gift from alumnus endows Holcombe Chair in electrical and computer engineering

A gift from the co-founder and vice president of Electrospace Systems Inc., an electronics firm based in Richardson, Texas, will endow a chair in the electrical and computer engineering department.

The Milton W. Holcombe Chair in Electrical and Computer Engineering is named for the donor, a Central native and a 1953 Clemson electrical engineering graduate. His wife, Betty, is a Clemson native and is a graduate of Calhoun Clemson High School and Winthrop College.

The Holcombe Chair probably will be filled by a top scholar in the field of electronic communication systems.

"We're very proud to be a part of Milton Holcombe's success story," says President Max Lennon. "He took the knowledge garnered from an engineering curriculum at Clemson and the practical experience he gained in the field and molded from them a top-notch electronics firm.

"This is, indeed, a fine example of what has been happening in the field of engineering — progress and prosperity. Clemson is truly proud to be a part of that trend."

The electrical and computer engineering department has developed a program in electronic communication systems that includes coursework in microelectronics, signal processing, computer networking and communication theory.

Electrospace Systems was founded in 1970 and has grown into a multi-million dollar telecommunications and navigation systems firm that serves the specialized needs of military and commercial customers worldwide.

Holcombe serves on Clemson's Electrical and Computer Engineering Advisory Board, a group of Clemson alumni executives from across the country who advise engineering faculty on the direction of their programs to help them plan for the future.

The Tiger Soccer Team captured its second national title in four years Dec. 6 with a 2-0 victory over San Diego State University.

The championship game will be rebroadcast on ESPN Dec. 19 at 1:30 p.m.

President sends greetings for holidays, the new year

At this time of year, as we take time out from hectic schedules to gather with our loved ones and observe some of our most meaningful holidays, we pause to reflect on the past and contemplate the future.

We come to the last page on the 1987 calendar and immediately start setting goals for the new year. We send one class of graduates out into the world and turn directly to the task of getting a new semester under way. Additionally, this year we will begin to celebrate the tradition of our first hundred years and to pursue a vision of all we can be during our second century.

But while we should look with pride upon our accomplishments, we must also realize that there is still much work to be done. As long as there are people in South Carolina who cannot read, mothers who aren't informed enough to receive adequate prenatal care, farmers and business owners on the brink of failure, or young people who don't finish high school, there will remain much work for Clemson University to do.

Those of us who choose the education and public service fields enjoy a rare "job perk" — the knowledge that the institution we support can make a difference in the quality of life of our fellow citizens. Each member of the faculty and staff of Clemson University is a vital part of our success. Thank you for a job well done! As you enjoy this season of peace and good will, I would ask that you also take a few minutes to reflect upon the major contribution you are making to the quality of life in this state and renew your commitment to the mission of this university.

Best wishes!

Max Lennon

Briefly

Kline named associate dean

Assistant Professor of Nursing Pam Kline has been promoted to associate dean for the College of Nursing, effective Jan. 1.

Kline, a faculty member here since 1978, has specialized in psychiatric nursing with a research emphasis on Alzheimer's Disease, the elderly and support for caregivers in nursing homes.

Kline's promotion coincides with Dean Opal Hipps structural reorganization of the college.

Under the new structure, Associate Professor Sara Barger has been named head of the department of professional development and services which now includes the continuing education program.

Associate Profesor Cynthia Lenz is interim head of the department of instruction and Mary Ann Kelly is interim head of the department of research.

Faculty search committees will screen candidates to fill those permanent positions by January, Hipps says.

Food science receives grant

Students in the food science department are getting quality instruction in glass packaging, thanks to a $10,000 gift of educational videotapes and materials from Brockway, Inc.

Based in Brockway, Pa., the glass-packaging firm manufactures more than $1 billion a year in commercial glass containers for pharmaceuticals, cosmetics, soft drinks, food, beer, wine and liquor.

Says LeRoy Doar, professor of food science, "We're thrilled with their contributions. These instructional aids allow students to get a much more thorough education in the science that's involved in glass packaging."

Clemson is one of five universities to receive gifts from Brockway. The others include Rutgers University, Michigan State, Rochester State and San Jose State.

Watch videotex for calendar

A portion of the University master calendar is now available on videotex. Just look for "A Week At A Glance" under the University News heading.

For information, call 656-3494.

University closes

The University will be closed on the following holidays:
Dec. 23-25, 28 (Christmas)
Dec. 31, Jan. 1 (New Year's)

Commission welcomes new members, readies to implement new procedural guidelines

At its December meeting, the Commission on Classified Staff Affairs welcomed two new members and finalized its procedural guidelines.

Joining the Commission are:

— Bill Willis, an electrical engineering associate in engineering services, represents the Colleges of Education, Engineering, Forest and Recreation Resources, and Liberal Arts. He succeeds Pat Seitz and will remain on the Commission through 1989.

— Judy Nicks, a senior systems analyst with administrative programming services, represents Administration, Academic Affairs and Institutional Advancement. She replaces Betty Hubbard and will remain on the Commission through 1990.

"We're very pleased to have Bill and Judy join us on the Commission," says Chairperson Pat Padgett. "We look forward to working with them and to the new ideas and energy that they'll be bringing to us."

The Commission also approved its recently revised policies and procedures, which received final approval at the Dec. 7 President's Cabinet meeting.

The new procedures bring three major changes to the Commission:
— The number of representatives increases from 13 to 23 plus two non-voting, ex-officio members.
— Representatives will be elected by popular vote among their constituents.
— Alternates also will be elected.

In other business, Extension Staff Development Coordinator Clyde Woodall, who is the Staff Marshall in the Dec. 17 graduation ceremonies, met with the Commission to discuss graduation procedures.

Clemson Weekly is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Jan. 5, noon, for Jan. 13 issue.**

Graduation to honor senator, business dean

At graduation ceremonies Dec. 17, the University will award honorary degrees to one of South Carolina's veteran state senators and the nationally recognized dean of Duke University's school of business.

South Carolina natives John C. Lindsay, state senator from Bennettsville, and Thomas F. Keller, dean of the Fuqua School of Business at Duke University, will receive honorary doctoral degrees during winter graduation exercises.

More than 750 undergraduate and graduate degrees will be awarded during the 11 a.m. ceremonies in Littlejohn Coliseum.

Clemson Alumni Professor of Architectural History Harold Cooledge Jr. will be the guest speaker.

Lindsay, a law graduate of the University of South Carolina, has served as a member of the S.C. General Assembly for 34 years, serving in the House for nine years before his 1963 Senate election.

Keller, a Greenwood native, has triple responsibilities at Duke, as dean of the business school, head of the management science department, and

Lindsay

R.J. Reynolds Professor of Business Administration. He has degrees from Duke and the University of Michigan.

Cooledge, a member of Clemson's Speakers' Bureau, has worked at the University since 1957. The Atlanta native holds degrees from Harvard University and the University of Pennsylvania.

Also at graduation, for the first time the University will present the President's Award, a new honor to recognize individuals for distinguished achievement and outstanding service to Clemson.

Keller

The first recipients of the award will be three Clemson alumni: Milton W. Holcombe, Philip H. Prince and Joseph A. Shirley.

Getting CoSy can make work more comfortable

If you're up to your eyeballs in a lot of meetings and committees, then you should think about CoSy.

CoSy, short for "Conferencing System," is a comfortable time saver from the Division of Computing and Information Technology for those eternally on the go.

"CoSy is like a giant, electronic bulletin board reaching across the campus and the state," says conferencing system manager Drew Smith, manager of consulting for DCIT.

"Through it, you can post and read notices without having to leave your office and hunt for a parking space. CoSy lets you keep in frequent contact with someone without having to play 'telephone tag' or sit in on yet another meeting."

Smith says CoSy is ideal for committees and organizations that have a tough time getting together and even for those participating on search committees.

"One feature that many users will enjoy is being able to conduct meetings electronically," he says. "It won't take the place of face-to-face communication but it will save time and make getting together less of a hassle.

Also, those who have used the system so far have found they can "speak" without being interrupted and can think answers through more carefully before responding."

Smith says the Graduate School may offer graduate-level courses as early as next fall as part of the University's new Telecampus system. Through it, public school teachers across the state could take graduate-level classes at Clemson without having to actually set foot on campus more than once or twice a semester.

And no matter where you logon, on campus or off, your electronic bulletin board is always at your fingertips.

To access CoSy, all you need are access to the VAX computer and a VAX user I.D. and a CoSy user I.D. (available at the Consulting and Technical Services' Help Desk). Once you're in, just follow the directions on the screen.

If you're not hooked into the VAX, access to a microcomputer and a modem is all you'll need to let you dial in locally through CUFAN (Clemson University Forestry and Agriculture Network).

CoSy features both open conferences (where anyone can join) and closed conferences (subject to membership requirements).

Says Smith, "CoSy is in place, and is ready to go for anyone who's ready to save some time and trouble."

Out of ideas?

Try some alternative gifts for die-hard Clemson fans

by Margaret Pridgen
editor, *Clemson World*

For the die-hard Clemson fan on your Christmas shopping list who already has three Tiger sweat shirts and an orange parka, try these alternative suggestions for Clemson-related gifts.

Books by faculty authors range from the heavy to the hilarious. English department head Bill Koon is the editor of two volumes of "Classic Southern Humor," both of which are available in paperback.

Also published just this fall is a new novel, "Angel Child," by the English department's writer-in-residence Mark Steadman. His colleague Mark Winchell collaborated with former Georgia Sen. Herman Talmadge on a personal and political memoir called — what else? — "Talmadge."

Just out in paperback is history Professor Carol Bleser's book "The Hammonds of Redcliffe," the story of four generations of a prominent South Carolina family and their home near Beech Island in Aiken County.

A gift in your friend's name to the Clemson Loyalty Fund would help support scholarships and professorships and also get him or her a car decal and a subscription to *Clemson World*, the University's quarterly magazine for alumni and friends. A first-time gift of $25 also includes a Clemson lapel pin.

Gifts for contributors to the academic fund range upward from there. For example, members of the Clemson Fellows, a giving club for contributors of at least $5,000 per year, are sent a beautifully caligraphed and framed copy of founder Thomas Green Clemson's last will and testament. The copy of the historic document comes complete with a wax seal stamped by Clemson's own signet ring.

If your friend's taste runs less to history and more to the here and now, consider a gift of tasty morsels from the College of Agricultural Sciences sales center on campus.

The famous "Clemson Blue Cheese" is the most sought-after byproduct of ag-related research, so much so that the University had to suspend mail orders several years ago. It's still available on campus, though, along with ice cream, milk, eggs and seasonal favorites.

If you're going farther than over the river and through the woods, however, you might want to take along something less perishable. How about several pounds of Clemfine grass or enough seeds to plant a stand of Clemson spineless okra?

No matter what you choose, your Clemson fans are guaranteed to have an orange, if not white, Christmas.

University President Max Lennon (right) and de la Howe Chairman of the Board John McAllister sign a cooperative education and public service agreement between the two schools.

De la Howe Superintendent John Shiflet (far left), S.C. Rep. Jennings McAbee (center) and Forest and Recreation Resources Dean Ben Box also were present for the signing.

Clemson, de la Howe School sign agreement

Clemson and the John de la Howe School in McCormick County have signed an agreement to develop cooperative activities in several areas, possibly including agriculture, education, recreation, behavioral sciences, architecture and landscape architecture.

The initial cooperative project will be a therapeutic wilderness camping program for emotionally handicapped children. The program is already an important alternative therapy at the school, and Clemson has a history of outdoor-based therapy programs through the Outdoor Lab.

The cooperative venture between the schools was initiated by Greenwood-McCormick County Representative Jennings McAbee.

"The missions of these two institutions are very similar," he says. "Having them work together to affect the lives of young people at de la Howe and to provide Clemson students with the opportunity to working in this environment will better serve all the citizens of South Carolina."

The de la Howe School serves approximately 130 children from first thorugh twelveth grades who have been referred because of abuse, neglect, behavioral or emotional problems, or family crisis situations.

Planning can help manage Christmas budgets

Christmas shopping need not be a financial nightmare. With a little planning and creative thought, you can manage your money, and your gift list, better this year. To help, here are some tips from faculty members in the finance department:

— Review the amount you spent last year to get an estimate of the amount you will need for this year.

— Make a list of the people you want to buy gifts for and the amount you want to spend on each gift.

— Watch for early sales.

— Shop around for the best value by comparing sale, catalog and regular prices.

— Make a budget and stick to it. If you need to spend more on one gift, you must subtract that amount from another gift to maintain your budget.

— Be creative. Don't always buy Dad that expensive fancy sweater; he might enjoy relaxing with an interesting book to read.

— Give personal services. Write Grandma a letter offering to take her shopping or to the beauty shop.

— Pay with cash or checks instead of credit cards. Credit cards are convenient, but they also make it easy to spend beyond your budget.

Looking ahead, remember the holiday season when making your New Year's resolutions. Avoid budget problems during next year's shopping rush by following these year-round money management tips:

— Plan for holiday shopping and savings well in advance.

— Save money in a credit union by payroll deduction or in a Christmas Club that earns interest.

— Keep your savings in a ready-cash form. An investment in a savings account is much easier to obtain and has less financial risk than an investment in the stock market.

"Break out da' bubbly!"

Toast the new year with champagne-flavored sherbet

by Hugh Gray

"Three ... two ... one ... Happy New Year!" chorus the party-goers. Then, they toast Father Time with champagne-flavored sherbet?

Have they been to the punch bowl once too often? Maybe not. They could be sampling a new product being developed through the S.C. Agricultural Experiment Station by Jon Hoskin, a researcher in the dairy science department.

For the past year, Hoskin has been perfecting carbonated ice creams and sherbets created by substituting carbon dioxide for air in traditional ice cream products.

Carbon dioxide, the gas that gives soft drinks their fizz, produces ice cream and other frozen dairy desserts with a tingle — opening the door for non-traditional ice cream flavors like root beer or cola.

Hoskin's latest venture, champagne-flavored sherbet, is a bit more unconventional. However, it's not the first time the idea has been tested.

"A California-based company once marketed ice cream made with Dom Perignon 1978," he says. "That product sold for $49.95 a quart."

Hoskin says because his version is made with a generic flavoring, it would be closer to the standard price of ice cream. And since it's non-alcoholic, its taste can be enjoyed in toast after toast with the only consequences being a sherbet headache and a few extra calories.

Although the product is not yet commercially available, the dairy industry is showing interest in it.

Thus, the ice cream scoop soon may challenge the corkscrew for its usual place in the New Year's celebration line-up.

Clemson students Susie Tucker and Hugh Gray enjoy a New Year's toast with a champagne-flavored sherbet developed by dairy science researcher Jon Hoskins. Hoskins developed a method for replacing oxygen with carbon dioxide in sherbet, giving it a tingly taste.

Weak dollar to keep many home for the holidays

by Sandy Woodward, arts and education editor

You've always dreamed of Christmas in St. Moritz: skiing, drinking hot buttered rum, rubbing elbows with the Jet Set. So you work, and you save, and you plan, and you dream.

Finally your bank account says you can do it. Your family says you can do it. ("So go, have a good time. Don't worry about me; it's only Christmas," your mother sighs.)

The only problem is, it's 1987, and the good old Yankee dollar says you can't do it.

Devaluation of the U.S. dollar has hit the foreign travel market, say those who study travel and tourism patterns, and this particular Christmas is not the time to travel abroad.

"The fact that the dollar is in bad shape in the international markets is causing travelers to reevaluate their plans for Europe," says Richard Howell, professor of travel and tourism. "Even those who think it isn't Christmas if they don't go to Europe are staying home or traveling in the United States, Canada or Mexico."

You may have to forego the European ski trip this year, but there is some good news — for the economy, at least. With the dollar down, U.S. travel is a good buy.

"The U.S. market certainly is not suffering," says Howell. "U.S. ski resorts and the traditional Christmas celebrations — Colonial Williamsburg's Grand Illumination and Christmas in Charleston, for instance — are as popular as ever with Americans."

Furthermore, while travel agents are booking fewer trips to the usual Christmas destinations of Europe and the Holy Land, those in the inbound travel industry are anticipating an outstanding Christmas season.

"International visitors are heading to the United States for the Christmas holidays. Japanese tourists particularly will be coming here to take advantage of the currency exchange rate,"Howell says, adding that Hawaii is especially popular with Japanese travelers this Christmas.

The recent stock market crash has not yet affected the travel industry.

"So far there doesn't seem to be any direct impact on travel," says Howell. "Few people are canceling their plans on the basis of the market's activity."

So where can you go for Christmas? You can still go to Europe, of course. It'll just take a few more dollars than it did last year.

But if you want a good buy, consider staying in the Western Hemisphere. A Christmas cruise to Mexico or the Carribean can chase away the cold weather blues.

If you still want snow, Canada, New England or the West Coast should be able to accommodate you. You can still spend a white Christmas skiing and sipping hot buttered rum.

And who knows, you might bump into a few Jet Setters who think it makes good dollars and sense, too.

The Calhoun Mansion was decorated for the Christmas holidays this year for the first time in many years.

The *Clemson Weekly* schedule for January 1988 is as follows:

Jan. 13 (deadline is Jan. 5)

Jan. 20 (deadline is Jan. 12)

Jan. 27 (deadline is Jan. 19)

Personnel hosts retirement meeting

The Personnel Division will host a Retirement Planning Meeting Jan. 28 in the Senate Chambers designed for employees retiring within the next year; however, all interested persons are invited. Sessions are at 9:30 a.m. and 1:30 p.m.

For more information, call the Personnel Division at 656-3367.

Holidays observed differently around the world

by Sharon Jones

While you're sitting by that warm fireplace this Christmas, sipping eggnog and singing carols, people in other parts of the world also will be celebrating Christmas and the New Year in their own special ways.

In Spain, the two most important days of the Christmas season are Nochebuena (Great Night), Dec. 24, and Nochevieja (Old Night), Dec. 31, says Jesus Benito-Sanchez, a visiting instructor from Salamanca, Spain.

On Great Night, families gather about 10 p.m. for a feast and celebration which lasts six or seven hours. The night is filled with card-playing, champagne and conversation.

On Old Night, families gather again for a large dinner of turkey, lamb, whole pig, peanuts, pastries and champagne and to listen to the clock strike the 12 bells of midnight. At each bell, each person eats a grape to bring good luck for the New Year.

Also in Spain, children usually don't receive Christmas gifts until January.

In Turkey, the New Year celebration is more important than Christmas, since the population is 98 percent Moslem and 2 percent Christian and Jewish. Only the Christians celebrate Dec. 25.

However, all religious groups in Turkey celebrate the New Year, says Sinon Anadol, a junior textile chemistry major from Istanbul.

On New Year's Eve, Turks have large family dinners and then go to parties at dinner theaters or clubs.

Non-Christian Turks celebrate a version of Christmas on New Year's Day, based on what they've seen in American movies and on television. People decorate Christmas trees and visit Papa Noel, or Santa Claus.

On New Year's Day, most Turks exchange gifts with friends and family and gather fo large meals.

Christmas is not usually celebrated as a religious holiday in Korea. Like the Turks, Koreans pattern their Christmas celebrations after American movies and television, says Burtrand Lee, an assistant professor of ceramic engineering from Seoul.

On Christmas Day in Korea, the Salvation Army sponsors parties and distributes gifts. Schools let children out for vacation, and parents give them presents. Koreans also are fond of Western Christmas carols, which often are played in stores and on radio and television.

On New Year's Day in Korea, children visit their elders and bow in respect. The elders, in return, give the children presents or money.

But the biggest annual celebration in Korea is Chinese New Year, which falls on different dates. Families have large meals with special foods, including rice cakes and steak. The celebration can last for several days.

Christmas is not a major religious holiday in India, where Moslems and Hindus make up most of the population, but New Year's is, says Ajaykumar Desai, a graduate student in electrical engineering from Bombay.

However, the New Year's celebration, which the Hindus call Diwali — The Festival of Light, is held in late October and lasts for five days. During the first four days, families eat large meals which feature a variety of sweets. The more affluent families give food to poorer families in the villages and cities.

On the night of the fourth day, a huge party with firecrackers is held. On the fifth day, people personally give New Year's greetings to their neighbors and family members.

In religiously diverse South Africa, most Christians celebrate Christmas in the British tradition, says Kelvin Poole, an associate professor of electrical and chemical engineering from South Africa. On Christmas Day, families congregate to trade gifts and to eat roast turkey, English stuffing and fruit pudding.

During the Christmas season in South Africa, people gather in city squares to sing carols to passers-by, and special church services are held.

On New Year's Eve, families often attend midnight church services, while others celebrate at nightclubs or private parties. Along the coast, ships blow their horns at midnight to signify the New Year.

So Christmas is around the rest of the world.

Turkey pizza -- it's not just for the holidays anymore

by Hollye Hatfield, Experiment Station editor

Folks who rely on pizza to remedy the "leftover holiday turkey syndrome" may soon be in for a surprise.

S.C. Agricultural Experiment Station researchers have developed a pizza sausage made from — you guessed it — turkey meat.

However, the product still offers a taste break for those suffering from turkey burnout.

"The sausage is made from turkey thigh meat and is similar in taste to the sausage traditionally used on pizzas," says Mickey Hall of poultry science department, the principal researcher involved with the product.

"However, the turkey sausage is higher in protein, lower in fat and lower in calories."

In addition to appealing to the health-conscious, the product could also offer relief from to the glut of dark turkey meat in the industry.

Pizza, she says, is a natural choice. The popularity of pizza has risen tremendously in the past few years, and sausage is a staple ingredient in most pizzas.

Although her turkey sausage is not yet on the market, Hall is optimistic that it could enjoy the same success as other new turkey products like turkey ham and turkey bologna.

Computers move to research park

The University mainframe's new home is the 210-acre Clemson Research Park in Pendleton. Much of the Division of Computing and Information Technology moved there Nov. 25.

Although most of the Division of Computing and Information Technology (DCIT) has moved to its new headquarters at the Clemson Research Park, Poole Center in the basement of the P&AS Building is still the place to go for computer help.

"Users having computer-related problems should still contact the Help Desk," says Pam Purcell, publications editor. "We want faculty, staff and students to know that we're still located on campus to help them."

The number to call for help is 656-3494, she says, "Otherwise, all the numbers listed in the campus phone book are the same."

Not everyone has moved to the new facility in Pendleton, she says. Consulting and Technical Services (CTS) and its Help Desk, the hardware portion of Network Services, the Computer Resources portion of Production Services and the Front Desk all remain in the P&AS Building.

"Basically, only offices and machinery have moved to the Research Park," she says. "Our service areas remain on campus, and all the remote locations, including Poole Center, remain intact."

Even though they are still moving bits and pieces, everything is pretty much business as usual, she says.

"Turnaround time should still be the same, and if for some reason something has to be printed at the new site, couriers will be running at regular intervals to bring printouts here."

In addition, she says, courier service to other locations around campus will remain unchanged.

DCIT moved to the 210-acre Park Nov. 25. The new 40,000 square-foot Information Technology Center now houses the University's mainframe computer operations and contract programming groups.

Groundbreaking ceremonies were held last October. Dedication ceremonies are planned for this spring.

These paws were made for walking

What burns up nearly as many calories as jogging but is not nearly as brutal to your body?

What do 36 million adults in America do several times a week, a half hour at a time?

The answer is walking.

In fact, University faculty and staff turned out by the dozens to participate in "Tiger Tracks," a six-week aerobic walking program designed to help employees keep fit during the workday.

From October through November, individuals formed small groups and were led by volunteer veteran walkers twice a week on a two-mile course around campus. They recorded the number of miles walked each week, and those who made it through the six weeks without missing a day won t-shirts.

"I look forward to it," says microbiology Professor Fred Stutzenberger who walks to and from campus 4.2 miles each day.

"I walk across meadows and through forests to get here. And it gives me time to process things — it allows me to prepare for the day or to unwind afterward," he says.

Stutzenberger says he declined to purchase a parking permit this year to give him the incentive to keep walking — even during foul weather. "I have a pretty good umbrella," he says.

There's quite a difference between a leisurely walk and aerobic walking for exercise, says University Wellness Coordinator Lynn Lesley, whose program sponsors Tiger Tracks.

"Aerobic walking involves 20 minutes of walking at a constant pace at least 3-4 miles per hour," she says.

Lesley says a good pair of walking shoes are imperative for aerobic walking. And, anyone over age 35 or who previously has been inactive needs to consult a doctor before beginning a walking program, she adds.

Clemson
EVENTS
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

January 1988

1
New Year's Holiday.

3
University housing opens, 10 a.m.

4
Orientation, registration.

4-8
Art Sale: Sponsored by University Union, art gallery, loggia (656-2461).

5
Late registration.

6
Classes begin; late registration fee.

6-25
Exhibition: "Facts, Fables, and Fantasies: Contemporary Narrative Art of the Southeast." Sponsored by College of Architecture (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall.

7-9
Film: "Beverly Hills Cop 2." Sponsored by University Union, Y-Theater (656-2461).

9-22
Exhibition: Clemson Graphics Arts Society. Sponsored by University Union, loggia (656-2461).

10
Free flick: "Fletch." Sponsored by University Union, Y-Theater (656-2461).

11
Film: "Strangers on a Train." Sponsored by University Union, Y-Theater (656-2461).

11
Welcome Week: Sponsored by University Union (656-2461).

12
Last day to register or add a class.

13
Union Drop-In: Sponsored by University Union, 11 a.m. -3 p.m. (656-2461).

Special event: Palm reader/fortune teller. Sponsored by University Union, loggia (656-2461).

14
Clemson University Concert Series: New York Harp Ensemble. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

Special event: "Blizzard of Bucks." Sponsored by University Union, Edgar's, 8:30 p.m. (656-2461).

14-16
Film: "Predator." Sponsored by University Union, Y-Theater (656-2461).

15
Performing Artist Series: The Chinese Golden Dragon Acrobats. Sponsored by University Union (656-2461), 8 p.m., Tillman Hall Auditorium, $8 public, $5 students/senior citizens.

Performance: "Carl Rosen." Sponsored by University Union, Edgar's, 9 p.m., $1 (656-2461).

17
Free flick: "Tootsie." Sponsored by University Union, Y-Theater (656-2461).

21-23
Film: "No Way Out." Sponsored by University Union, Y-Theater (656-2461).

24
Free flick: "Highlander." Sponsored by University Union, Y-Theater (656-2461).

25
President's Honors Lecture. Sponsored by Calhoun College (656-4762).

Special event: "College Comedy Competition." Sponsored by Uni-

(continued on back)

versity Union, Edgar's (656-2461).

26

Last day to order diploma for graduation.

26

Short course: "Beginning Knitting." Sponsored by University Union, two weeks, 6:30-8:30 p.m., $18.50 (656-2461).

Concert: Lillian and Robert Utsey Chamber Music Series: Kim Scholes, cellist. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium, free.

28

Performing Artist Series: Alvin Ailey Repertory Ensemble. Sponsored by University Union (656-2461), 8 p.m., Tillman Hall Auditorium, $10 public, $7 students/senior citizens.

28-29

Film: "The Lost Boys." Sponsored by University Union, Y-Theater (656-2461).

29

Clemson Debate Tournament.

Sponsored by performing arts department (656-3043), 3-4:30 p.m., Daniel Hall Auditorium, free.

29-30

Special event: "Gatlinburg Ski Trip." Sponsored by University Union, $35, includes transportation and lodging (656-2461).

30

Clemson Writers Seminar: with Jane Robelot of WSPA-TV and Joann Fisher of WCCP-radio. Sponsored by Sigma Tau Delta (656-5179).

February

1

Lecture: "The Future of the Construction Industry" by Bob Silverman. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, free.

2

Last day to withdraw from class or the University without record.

5

President's Club dinner. Sponsored by Alumni Center (656-2345).

6

Concert: Jimmy Buffett. Sponsored by University Union (656-2461), Littlejohn Coliseum, 8 p.m. Ticket price to be determined.

8-29

Phillip Mullen: A Retrospective Exhibition. Sponsored by College of Architecture (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall.

10

Clemson University Concert Series: Chamber Orchestra of the Auvergne. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

19

Clemson University Jazz Ensemble. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

22

Lecture: "Tadao Ando" by Kenneth Frampton. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, free.

23-27

Clemson Players' Production: "Lysistrata," directed by Tony Evans. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium (matinee Feb 25, 3:30 p.m.), $4 public, $2 faculty/staff, students free.

29

Preliminary grades due.

Lecture: "Bar Harbor to Key West" by John Margolies. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, free.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Army gives money for environmental study

A U.S. Army grant with a potential for $4 million has been awarded to the environmental systems engineering department to study environmental problems on military bases around the world.

President Max Lennon announced the grant by the Department of the Army's Construction Engineering Research Laboratory at the end-of-the-semester faculty/staff meeting last month.

The contract is renewable for one year for a maximum of $2 million per year, says department head Tom Keinath. It involves 53 faculty members from such disciplines as electrical and computer engineering, agriculture, entomology and forestry.

"The Army will probably be asking faculty members to research environmental problems such as wastewater treatment, noise problems on shelling ranges, land use planning and pollution control on military installations," he says.

"For instance, they might ask us to research and pursue a revegetation program for an area that may have been damaged by heavy vehicle movement. They're looking for ways in which we can help them minimize their impact on the environment."

Contribute to Loyalty Fund with payroll deductions

A drive begins this month to increase faculty-staff participation in the Loyalty Fund through payroll deduction.

Information about this convenient method of giving and the urgent need for unrestricted annual gifts to the Loyalty Fund is being mailed to all employees.

With half the academic year gone, the Loyalty Fund, which annually supports Alumni Professorships, Poole Scholarships, faculty awards and numerous other academic programs, is more than $500,000 short of its $1.1 million goal for 1987-88.

Centennial brings new look

University letterhead stationery will take on a new look for the upcoming Centennial celebration.

CLEMSON UNIVERSITY CENTENNIAL 1889-1989

Centennial wordmark

All University stationery printed this year and most of next year will feature the Centennial wordmark, which incorporates the University logo with the words "Clemson University Centennial 1889-1989."

Centennial stationery can be ordered from University Printing Services following usual procedures at no additional costs.

Refer questions to Debbie Dunning, director of publications and graphics services, at 656-2468.

REACH program attempts to improve state literacy

Clemson will play a major role in a statewide education initiative announced recently by Gov. Carroll Campbell.

Project REACH (Rural Education Alliance for Collaborative Humanities) will join 11 higher education institutions and 10 public school districts in an effort to improve literacy levels through use of the humanities.

Programs in literature, language, history and the arts will be developed to prompt students to read, write and develop creative thinking skills.

The project is funded by a $175,000 grant from the Rockefeller Foundation plus supporting funds from the Governor's Office and the S.C. Committee for the Humanities.

English Professor Dixie Goswami was instrumental in securing the grant from the Rockefeller Foundation, and the Bread Loaf Rural Writing Network, which she also established, serves as a model for Project REACH. Students participating in REACH are in the secondary grades.

Briefly

Harvey receives award for distinguished service

Agronomy Professor Lawrence Harvey is the recipient of the 1987 Clemson University Alumni Award for Distinguished Public Service.

A $1,500 award was presented to the Extension Service specialist. He is known nationally for innovative programs to improve cotton production.

Personnel hosts retirement meeting

The Personnel Office will host a retirement planning meeting Jan. 28 in the Senate Chambers.

The meeting is designed for employees retiring within the next 12 months, but interested persons are invited to attend either a 9:30 session or a 1:30 session.

For more information, call Personnel at 656-3367.

Candidate reviews begin Feb. 1

Candidate reviews for the new position of vice president for research will begin Feb. 1. Send applications to Professor John D. Petersen, 119 Kinard Laboratory.

Nominations and applications also are being accepted for the director of the emerging technology center until Feb. 1. For more information, call Professor Bob Gilliland at 656-3201.

Petroleum executive to speak today

A petroleum executive will present a pair of lectures here today.

George King, vice-president of technology and development at Occidental Petroleum Corporation, will speak in Earle Hall Auditorium at 11 a.m. and at 4:30 p.m. in Hunter Laboratory Auditorium at 4:30 p.m.

King's presentation is part of the 1987-88 Distinguished Chemical Industry Business Seminar sponsored by the College of Sciences and the chemistry department.

Bowling leagues begin this month at Union Lanes

Monday night and Sunday night bowling leagues begin this month at the University Union Lanes.

Monday night leagues begin Jan. 25 at 7 p.m. Cost is $6 per week.

Sunday night leagues begin Jan. 31 at 7 p.m. Cost is $4 per week.

Leagues are available to all faculty, staff and students. Sign up now at the Union Lanes.

For information, call 656-5838.

Have You Been Missing ...

the Who, What, When, Where and How of campus events?

If so, call **656-INFO** (656-4636), Clemson's 24-hour events line.

Computer representatives to appear here monthly

Apple computer now will have a representative on campus each month starting Jan. 20 from 1:30 to 4 p.m. in the loggia of the University Union. Future dates will be announced as scheduled.

Events this week:

- **Jan. 14 — New York Harp Ensemble**, Tillman Auditorium, 8 p.m. Tickets available at the door. (656-3043).
- **Jan. 15 — Chinese Golden Dragon Acrobats**, Tillman Auditorium, 8 p.m. $8 public, $5 students/senior citizens. (656-2461). — **"The Need to Dig a Little Deeper" by Ennis Fant**, Greenville County Council vice chairman, Daniel Auditorium, 8 p.m.
- **Jan. 18, 20, 21 — "Eyes on the Prize Video: America's Civil Rights Years, 1954-1965."** 7 p.m., Edgars.
- **Jan. 19 — "The Scarlet Letter"** with discussions by English Prof. John Idol, 4 p.m., 108 Strode Tower.

Clemson Weekly is published for the faculty and staff of Clemson University by the Division of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Jan. 15 for Jan. 27 issue.**

Business and Finance names associate VP's

A business officer from the University of Tennessee at Chattanooga becomes the fourth associate vice president named in the recently reorganized Division of Business and Finance led by Vice President David Larson.

Wanda B. Hill joins former assistant vice presidents Alden McCracken, Jack Wilson and John Newton as the fourth associate vice president. Responsible for business and financial affairs, she will oversee Clemson's financial management, communication services, purchasing, auxiliary operations and transportation services.

McCracken, responsible for budgets and planning, will oversee budget systems, sponsored programs, institutional research, business systems, development of the University's Research Foundation and strategic and long-range planning.

Wilson, responsible for facilities planning and management, will oversee University capital improvements, buildings, grounds and utilities systems. In addition, he will oversee campus master planning, including landscape planning.

Newton, responsible for personnel management, will oversee all personnel-related activities, including the Personnel Office, payrolls and fringe benefits, risk management, safety and environment health activities, and wage and salary administration.

Assistant Vice President for Financial Management Tom Harbin will report to Hill and will assume responsibility for related organizations and plant fund accounting along with activities related to Clemson's bond programs.

Wellness Challenge gears up for spring semester

January is "make it or break it" month — the period in which you either stick to your New Year's resolutions or fling them carelessly to the wayside 'til next year.

That's why January is also Wellness Challenge month — for all you well-intentioned but vulnerable sorts.

Just as last year, faculty, staff and students are encouraged to participate in this nine-week program sponsored by the College of Nursing's Wellness Program.

The Wellness Challenge combines a physical fitness program with health screening.

Participants must register at the Nursing Center sometime between 8:30 a.m. and 4:30 p.m. Jan. 18-22.

Appointments will be made for sometime between Jan. 25-29 so that participants may have their height, weight, blood pressure, pulse rate, cholesterol and percent of body fat recorded at the Nursing Center.

Then, for the following nine weeks (and optionally thereafter), participants are asked to engage in one or more aerobic activities for at least 30 minutes at at time, three times a week.

"By aerobic, we mean activity that will raise the heart beat for an extended time — jogging, swimming, biking, rowing, brisk walking, for example," says Lynn Lesley, wellness coordinator.

At the end of nine weeks, participants return to the Nursing Center for a follow-up health screening, a t-shirt and certificate.

There is a $12 fee.

For information, call Lynn Leslie at 656-5520.

President urges Wellness participation

Clemson University believes its most important assets are its people. Enhancement of mental, physical and spiritual health — one's "well-being" — is therefore a vital University concern.

Energy...Vitality...Wellness...The terms are synonymous. Wellness helps to achieve a state of vitality and energy which can, in turn, nourish professional, social, and personal life.

In today's fast-paced and stress-producing world, when it seems we control very little, we can do much to control our own health. Wellness isn't a program designed to take away habits you may not be sure you want to give up. Wellness is a program designed to provide opportunities for receiving tangible and genuine rewards in the form of good health.

Through your participation, the result can be a healthier campus environment for you, your peers and your family.

Become involved in Clemson University's Wellness Program — a program that is the first of its kind in the state. Become involved because you care about you. Wellness works at Clemson!

Max Lennon

Employee achieves long-time educational goal

by Sharon Jones

Going to school part time, raising two kids, and working full time hasn't been easy for Dorothy Burchfield; however, after 14 years, her dedication and hard work have finally paid off. She graduated with honors at the University's graduation ceremonies last month.

Recently named one of the University's Employees of the Year, she graduated cum laude with a bachelor's degree in financial management.

In pursuit of her dream, Burchfield, an administrative assistant in the agricultural engineering department, has taken classes at three colleges over the past 14 years.

She began taking night classes at Anderson College in 1972. Shortly thereafter, she took two years off from school to help with the construction of her house.

She later resumed classes at Anderson College then transferred here in 1979.

In 1983, Burchfield had to take time off from school for surgery. After recuperating, she began taking classes at Furman University to supplement her studies here.

Meanwhile, her son and daughter enrolled at Clemson. Both graduated ast May.

"My primary goal was to graduate with my children last May. Although I wasn't able to then, seeing them walk across the stage and receive their diplomas was one of the happiest moments of my life," she says.

Despite her hectic and busy schedule, Burchfield has been determined to earn her degree.

"It's something I have always wanted to do. It's important for me to continue to grow personally and professionally," she says. "There were plenty of times when I thought I couldn't make it through another semester, but I knew I had to stick with it.

"Going back to school is a long-term goal and a lot of hard work, but the rewards are worth it," she says. "A college degree is an avenue to advancement professionally and personally."

(Brian Koldyke)

Dorothy Burchfield

Writers Seminar to feature area professionals

Several area media professionals will participate in the Clemson Writers Seminar Jan. 30.

The 8:30 a.m. - 3 p.m. seminar includes a morning session on print journalism and an afternoon session on broadcast journalism.

Scheduled speakers for the morning session include Dot Robertson, feature writer for the *Greenville News-Piedmont*, Steve Biondo, columnist/feature writer for the *Anderson Independent-Mail* and Margaret Pridgen, editor of *Clemson World*. The moderator is Bill Koon, head of the English department.

Scheduled speakers for the afternoon session include Joann Fischer, station manager for WCCP Radio in Clemson, Kenn Sparks, noon news anchor for WYFF-TV in Greenville, and Kay Flowers-Johnson, former reporter for WYFF-TV The moderator is speech Professor Susan Duffy.

The seminar also features a welcoming address by journalism Professor John Zanes and a keynote luncheon address by Clemson alumna Jane Robelot, evening news anchor for WSPA-TV in Spartanburg.

The seminar, sponsored by Sigma Tau Delta English Honor Society and funded by the Clemson Area Arts Council and the University, is open to faculty, staff, students and the public.

Cost is $5 for students and $12 for others. A luncheon will be held at Clemson House at $7 per person.

Registration is available at the door. Deadline for luncheon reservations is Jan. 25.

For more information call 656-3030 or 656-5179.

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Former hostage to speak at Honors Colloquium

Former Iranian hostage Moorhead Kennedy will speak here next week for the 1988 President's Honors Colloquium.

On Jan. 25, Kennedy will speak at 2 p.m. in Room 200 Hardin Hall on "Islam as a Political Force." His talk is co-sponsored by the philosophy and religion department.

Kennedy's main address on "The Great Satan: The Terrorist View of America" begins that evening at 8 p.m. in Lee Hall's Lyles Auditorium.

On Jan. 26 at 9:05 a.m., he will speak in Room 108-D Strode Tower on "The Impact of American Morality on Foreign Policy Formulation." The talk is co-sponsored with the political science department.

All lectures are free and open to everyone.

For more information, call the Honors Program in Calhoun College at 656-4762.

Kennedy is the executive director of the Council for International Understanding. He was on temporary assignment in Iran as acting economic counselor when he was taken hostage with other Americans in the seizure of the U.S. Embassy on Nov. 4, 1979.

Recent snow leaves employees with three paycheck choices

If you're hearing talk about not having to take leave for the recent snow days, take it with a grain of salt.

"Staff have only three choices under the state's hazardous weather policy (section 4, subject L of the University Personnel Manual)," says Pat Collins, operations manager in the Personnel Office. "They can take annual leave, leave without pay, or make up the time, which will have to be approved by their supervisors."

When Gov. Carroll Campbell declared the hazardous weather policy in effect for Jan. 7-10 and until noon Jan. 11, he was in effect closing state agencies for safety reasons rather than giving them paid holidays.

Had the governor not declared the policy in effect, staff would have lost the option to make up lost work time.

"Only the state legislature can approve paid holidays for state employees," says Collins. "So far it has not happened, but if it does, Personnel will notify all University employees as soon as is possible."

Sullivan award nominations due

If you know a student or non-student who has demonstrated outstanding service to the University, you may want to nominate him or her for the 1988 Algernon Sydney Sullivan Award.

But you'd better hurry. The nominations deadline is Feb. 5.

Send all nominations to: Jack Stevenson, chairman of the University Scholarships and Awards Committee, 532 Clemson House.

Each nomination should include a resume of the candidate's achievements. Deadline for letters of support is Feb. 10.

The best way to play tennis here is to pick up the phone first.

The University's new indoor tennis facility has been booked to capacity recently, so call ahead for reservations. The number to call is 656-2315. Courts are booked for an hour and a half at a time.

Briefly

Aerobic schedule expands

Gluttons for punishment take note — Fike's aerobic schedule has now expanded to 30 classes, including a Sunday class and additional low-impact sessions.

Low-impact aerobic classes will now be held at 4, 5 and 6 p.m. every Monday through Thursday.

High-impact classes feature a Sunday addition at 5 p.m. and follow the same schedule as low-impact classes. In addition, midday classes are available Monday, Wednesday and Friday at noon and every Tuesday and Thursday at 11:30 a.m.

Stop smoking seminars start Feb. 1

If one of your New Year's resolutions is to stop smoking, put Feb. 1 on your calendar.

That's the first date of a six-part "Freedom from Smoking" seminar sponsored by the College of Nursing's Wellness Program.

The dates are Feb. 1, 3, 8, 10, 15 and 22. The seminars will be held in Room 111 in the Nursing Building from 4:45 to 5:45 p.m.

The cost for the entire program is $25. Enrollment is limited.

To register or for more information, call 656-3076.

Cellist performs Jan. 26

Cellist Kim Scholes will perform Jan. 26 in Daniel Hall Auditorium at 8 p.m. as part of the Lillian and Robert Utsey Chamber Music Series.

Admission is free. The event is sponsored by the performing arts department.

For more information, call 656-3043.

Dance ensemble performs in Tillman Jan. 28

The Alvin Ailey Dance Ensemble will perform Jan. 28 in Tillman Hall Auditorium at 8 p.m.

Cost for the University Union-sponsored event is $7 for students and senior citizens and $10 for general admission.

For information, call 656-2461.

Engineer speaks Friday

Professor Jonathan Awerbuch of Drexel University will speak Friday at 2:30 p.m. on "Monitoring Damage Progression in Composites Through Accoustic Emmission" in Room 300 Riggs Hall.

He is a member of that school's mechanical engineering and mechanics department.

His presentation is part of the mechanical engineering department's Spring Seminar Series. For more information, contact Jim Brasseur at 656-5639.

Burgess to speak Jan. 25

The Women's Studies Committee will present a lecture Jan. 25 on "Women in Marriage: Role Adjustments and Conflicts Among Married Women in the United States: A Tri-Racial Analysis" by Norma Burgess of Mississippi State University.

The 3:30 p.m. lecture will be held in Daniel Hall Auditorium.

Union trip deposits due

Savannah, Ga. and Cancun, Mexico have two things in common: $50 and Jan. 22.

That's how much deposits cost and when they're due for the University Union-sponsored trips.

Costs for the March 16-19 Savannah trip start at $130. Costs for the March 12-19 Cancun trip start at $470.

Deposits are due Jan. 22 by 4 p.m. and are non-refundable. The balance is due Feb. 12 by 4 p.m.

Any cancellations for the Savannah trip after Feb. 8 will lose an additional $25 per person. Any cancellations for the Cancun trip after Feb. 8 will lose an additional $170 per person.

For more information, call the Travel Center at 656-5833.

Remember...

- Signup deadline for the Wellness Challenge is Jan. 22.

  For information, call 656-5520.

- The Clemson Writers Seminar is coming up Jan. 30. Registrations are still being accepted. Call 656-3030 or 656-5179.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* Is Friday, Jan. 22 for Feb. 3 Issue.**

Clemson
WEEKLY
Vol. 27, No. 19 Jan. 27, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Grounds crew digs out after recent snowstorm

Imagine having to shovel sand from here to Greenville and back in a blinding snowstorm, in about 10 inches of snow and in 20 degree temperatures.

Not a pleasant thought, especially to the landscape and grounds department.

"Not everyone was pleased, but that's to be expected when you've got 25 people trying to take care of 15,000 people all at once."
Andy Anderson

For more than four days during the recent snowstorm, the department had a 25-person crew, and some worked 15-20 hour days.

In that time, they pitched approximately 100 tons of sand over the equivalent of 75 miles of University streets and walks, not to mention using snow plows, sand trucks and ice-melting chemicals.

"Getting here was quite treacherous," says department head Andy Anderson, "and some even stayed overnight to make the campus accessible."

"Overall, our snow plan worked quite well," says Anderson. "Not everyone was pleased, but that's to be expected when you've got 25 people trying to take care of 15,000 people all at once."

Of the difficulties his crew encountered, Anderson noted parking lots and steps, in particular.

Faculty and staff parking lots proved difficult to clear, he says, because of the number of vehicles still parked there.

As an alternative, the lots were sanded everyday. Commuter lots were among the first to be cleared because they had practically no vehicles in them and could be cleaned faster.

"Next year custodians will have shovels and ice-melting chemicals to help us clear steps and walk approaches right outside the buildings," he says.

President Max Lennon praised the department's efforts saying, "Clemson is extremely grateful for the dedication and hard work of all these employees who worked long days under extreme conditions so that we could reopen our doors and begin to function again Monday morning.

"Theirs is a difficult and often thankless job, but it was a job well done and one for which we all give our thanks."

Here's lookin' at you...

Japanese business and civic leaders were on campus recently to get a clearer picture of Clemson's biotechnology project and to discuss the possiblity of establishing a branch campus in Japan.

Inside...

Payroll deduction forms for faculty and staff to contribute to the annual Loyalty Fund are being mailed this week to employees' home addresses. Look for more on p. 6.

Thomas Green Clemson is named to the S.C. Hall of Fame. See p. 2.

Patents provide major income for a research university. See the story on p. 3.

The Staff Commission's new election procedures appear on p. 4.

Departmental notes appear on p. 10. New employees appear on p. 8.

Briefly

Academic apparel goes on sale Feb. 1

On Monday, Feb. 1, Herff Jones will sponsor a faculty academic apparel sale in Daniel Hall Auditorium from 10 a.m. to 4 p.m.

A representative will be available to display various types of academic apparel and answer questions.

For more information, call Robert Rowland at 656-2029.

Fike posts spring hours

Fike users (and potential Fike users) should take note of the following hours and numbers:

- Evening swimming pool hours for recreational swimming are 8-10 p.m. Monday through Friday.
- The indoor track at Littlejohn Coliseum is open from 8 a.m. to 3 p.m. Monday through Friday.
- For tennis and racquetball reservations, call 656-2315.
- For daily sports announcements, call SPORTSLINE at 656-2389.
- Spring family hours are all day Friday through Sunday and all holidays.

Nursing Center offers cholesterol testing

During February the Nursing Center will offer cholesterol testing for $5.

For more information or to find out how to send this as a special, healthful Valentine's Day gift, call Lynn Lesley at 656-5520.

Clemson named to S.C. Hall of Fame

University founder Thomas Green Clemson was inducted into the S.C. Hall of Fame recently during ceremonies at the Myrtle Beach Convention Center.

Clemson was inducted with Cardinal Joseph Louis Bernardin of Chicago, who is diocese includes the country's largest number of Catholics.

Each year the Hall inducts two native South Carolinians, one living and one deceased.

Stop smoking this spring

The first "Freedom from Smoking" seminar sponsored by the College of Nursing's Wellness Program starts Feb. 1.

Other dates are Feb. 3, 8, 10, 15 and 22. Seminars will be held in Room 111 in the Nursing Building from 4:45 to 5:45 p.m.

The cost for the entire program is $25. Enrollment is limited.

To register or for more information, call 656-3076.

Personnel mails retirement statements

The Personnel Office has mailed Member's Annual Statements to all S.C. Retirement System members.

If you joined the Retirement System after July 1, 1987, you will not receive a statement until January 1989.

If you would like an official copy of your statement on file, send a copy to the Personnel Office in Gentry Hall. Service credit and account balances should be accurate through June 30, 1987.

For more information, call Frances Holliday at 656-3367.

Strength advisor available at Fike this semester

If you want to work out in the weight rooms but just aren't sure how to go about it, or even how to get started, wait no longer.

Wayne Ford is Fike's strength training adviser this semester and will be available from noon to 2 p.m. every Tuesday to provide personal counseling for those interested in developing individual strength programs and learning to use weight equipment properly.

Ford will be available for an hour each in the free-weight room and in the universal-weight room.

For more information, call Dewilla Gaines at 656-2119.

Durham honored

Harry Durham, associate vice president for University Relations, was honored recently by the Council for the Advancement and Support of Education (CASE) with its Quarter Century Award.

The career-achievement award is presented to public relations professionals who have spent at least 25 years in that field.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Jan. 29 for Feb. 10 issue.**

Patents bring University, researchers big bucks

Clemson continues to reap the benefits from a patent awarded in 1981 to a bioengineering faculty member.

A polymer coating for a hip prosthesis garners almost $700,000 in royalties for the University, the highest-paying patent income Clemson receives.

"Patenting is extremely important for a research university," says Stan Nicholas, director of the Office of University Research. "A lot of our research is based on contracts we've made with industry. Patents show that we're making strides in applied research — that we're creating products that are marketable in the field and useful in industry, in farming and in the home."

Clemson's patent income — approaching $1 million a year — exceeds that of other universities in the state, Nicholas says, and compares favorably with other institutions of similar size nationwide.

Clemson's patents most often are generated from the Colleges of Agriculture, Engineering and Sciences, he says.

If you have something to patent, pay attention

Here's how the University's patent process works:

A University faculty or staff member or student has invented something they think is unique and patentable.

They take their "invention" to the Office of University Research and discuss it before a patent committee of University faculty.

If their idea is accepted as potentially patentable, the invention is taken to patent attorneys or sent to Research Technology Corporation, a firm Clemson has retained for pursuing patent rights.

The University and inventor each earn a percentage of royalty income, but the amount varies according to the nature of the agreement.

Clemson's patent policy allows for the inventor to receive approximately half the net income from royalties, Nicholas says.

Earned income credit may provide tax refunds

Some University employees could reduce their federal tax burdens this year through the Earned Income Credit if they meet all of the following requirements:

1) 1987 adjusted gross income for the family is less than $15,432
2) A child has lived with them for more than six months during 1987 (for all of 1987 if filing status is qualifying widow or widower with dependent child)
3) Filing status is married filing jointly, head of household, or qualifying widow or widower with dependent child.
4) Not taking foreign earned income or housing expense exculsion or the foreign housing expense deduction.

Earned Income Credit is a tax credit for certain workers who have at least one child who lives with them in the home in the United States. It is based on a percentage of earned income, even if no taxes are withheld, as long as a tax return is filed. Child can also include a stepchild, adopted child or grandchild.

For more information, call the Internal Revenue Service at 1-800-424-1040.

At the Business and Finance winter retreat, Vice President David Larson recognized the Physical Plant's Dan Herr and the asbestos removal team as outstanding employees for fall 1987.

Staff Commission announces election procedures

This year, membership on the Commission on Classified Staff Affairs increases to 23, and college-wide elections will be held for the first time.

Approved in December by the President's Cabinet, the new procedural guidelines reflect four major changes:

- representation will fall within vice presidential areas,
- members and alternates will be elected by popular vote,
- 12 new seats will be added to the current 11,
- each member will represent approximately 100 classified staff.

Each vice president is responsible for implementing the election process within his area.

The Commission has recommended guidelines to assist in the election process:

1. Available seats will be announced in January in the *Clemson Weekly*.

2. Nominations may be sent to the Commission's Executive Committee in February by writing to P.O. Box 2121, campus mail. Names of the nominees will be published in the *Clemson Weekly*.

3. Ballots for each seat will be issued by each vice president in March. Announced nominees' names will appear on the ballot, although write-in candidates will be accepted. Instructions on deadlines and voting locations will be included on the ballot.

4. Election results will be verified by each vice president then forwarded to the Executive Committee by the end of April.

5. Election results will appear in the *Clemson Weekly* in May.

Listed by vice presidential area is election information for new and existing seats on the Commission.

Note that staggered terms for new seats and regular three-year terms for existing seats begin July 1988:

Milton Wise, Vice President for Agriculture and Natural Resources

Agronomy & Soils Gail Jameson Ends 1989	*Extension Service (4-H)* Mary Harvey Ends 1990	*Extension Service* Judith McNinch Ends 1989 (Off-campus)	*Forest & Recreation Resources* John Clemens Ends 1990	To be announced Vacant 3-year term	To be announced Vacant 1-year term
				To be announced Vacant 2-year term	To be announced Vacant 3-year term

David Maxwell, Vice President for Academic Affairs

Colleges of Nursing, Liberal Arts, Education, Commerce & Industry, and Architecture Pat Padgett Ends 1988	*College of Engineering* Bill Willis Ends 1989	*College of Sciences, Graduate School, Undergrad Office, and Provost's Office* Dixie Schmittou Ends 1989	*Computing & Information Technology* Judith Nicks Ends 1990	*Library* Vacant 3-year term

David Larson, Vice President for Business and Finance

Budgets & Planning Gary McCombs Ends 1988	*Physical Plant* Hank Goodman Ends 1989	To be announced Vacant 3-year term	To be announced Vacant 1-year term	To be announced Vacant 2-year term

Nick Lomax, Vice President for Student Affairs

Student Development	To be announced	To be announced
Mickey Lewis	Vacant	Vacant
Ends 1989	2-year term	3-year term

Gary Ransdell, Vice President for Institutional Advancement

Development, Alumni Relations and University Relations
Vacant
2-year term

Gen. Hugh Clausen, Vice President for Administration

Offices of the President, Internal Auditing, Research and Human Resources
Vacant
3-year term

NOTE: Listings reflect current membership and vacancies

Calendar for 1988 Elections:

Jan. 27
Announcement of Elections

Feb. 15
Nominations due Executive Committee, campus mail P.O. 2121

Feb. 24
Nominees announced in *Clemson Weekly*

April 29
Verified election results to Executive Committees

May 11
Election Results published in *Clemson Weekly* June 14, 1988
New members attend first Commission meeting

July 11
New year begins

Phi Kappa Phi wants nominations

The local chapter of The Honor Society of Phi Kappa Phi is accepting nominations of University faculty and staff members to be considered for membership in two categories:

— those who would have been eligible for undergraduate membership but attended institutions without Phi Kappa Phi chapters.

— those who would not have been eligible for undergraduate membership but have since distinguished themselves by scholarly achievement.

To be eligible for undergraduate membership, one must be in the top 10 percent of the senior class or top 5 percent of the junior class.

Faculty-staff nominations, complete with documentation of the nominee's qualifications, should be sent to Jack McKenzie, University Relations, Trustee House, (656-3861).

The deadline is Feb. 5.

Also, Phi Kappa Phi members who are new to the area or who have not received any chapter mailings within the past year should contact Maureen Harris in the Cooper Library (656-5174) at Clemson to be added to chapter's mailing list.

For more information...

For clarification or additional information, contact these members of the Executive Committee or write the Commission at P.O. Box 2121, campus mail.

Pat Padgett, Chairperson
656-3073

Gary McCombs, Vice-Chairperson
656-5271

John Clemens, Policy Committee
656-3216

Judith McNinch, Welfare Committee 984-2514

Mickey Lewis, Communications Committee
656-2155

Ron Herrin, Ex-Officio member
656-2000

Ray Thompson, Ex-Officio member
656-3357

If you've been missing...

...the Who, What, When, Where and How of campus events, Call **656-INFO** (656-4636), Clemson's 24-hour events line.

Check the mail for Loyalty Fund deduction forms

Forms for faculty and staff to use to contribute to the annual Loyalty Fund through payroll deduction are being mailed this week to employees' home addresses.

Employees who wish to start or to continue contributing to Clemson by having a Loyalty Fund gift deducted from each paycheck should fill out the form and return it through interoffice mial to the Loyalty Fund Office at 110 Daniel Dr. or in the envelope provided in the mailing.

Faculty and staff already signed up for a Loyalty Fund payroll deduction should send in a new authorization form to help verify and update Fund records.

Gifts may be restricted to specific academic purposes or departments or may be left unrestricted.

Unrestricted annual gifts are used for scholarships, fellowships and professorships; teaching, research and public service awards; Clemson World magazine; and numerous other academic and support activities.

The goal for annual unrestricted giving for 1987-88 is $1.1 million. As of Dec. 31, $570,584 had been received — up 7.8 percent from the end of 1986.

A new session of YMCA water aerobics begins Feb. 1. Classes are held Tuesday and Thursday at 9-10 a.m., and on Monday and Wednesday at 10-11 a.m. at Fike. Call 656-2460.

Miller to head campus post office

A former U.S. Air Force postal operations officer is the new head the campus post office.

Robert E. Miller becomes postmaster of the office that processes and distributes all university interoffice, student and U.S. mail after a 12-year military career.

He previously directed postal operations at three bases, including the Strategic Air Command.

Miller graduated from Clemson in 1971 with a bachelor's degree in history. He attended graduate school at the University of Arkansas and graduated with honors from the Air Force Administrative Management School.

Miller

Nursing grads' salaries rank as some of the highest

Overworked and underpaid is a description that has plagued the nursing profession for years.

Times are changing.

A survey of 1985-86 Clemson graduates ranks nursing as one of the top-paying professions in terms of starting salaries.

Nearly 71 percent of Clemson's nursing graduates who answered the survey found jobs in their field with annual salaries ranging from $20,000 to $30,000. Nearly 5 percent make between $30,000 and $40,000 a year.

"That contradicts an assumption that nursing graduates don't get paid as well as graduates from other majors. Nurses are employed immediately at competitive salary levels, often choosing from between four and five job offers," says Cynthia Lenz, interim head of the department of instruction in the College of Nursing.

Graduating nurses garner annual salaries similar to graduating engineering students, according to the survey conducted by the Placement Office.

Some 74 percent of Clemson's engineering graduates who responed to the survey received starting salaries that ranged between $20,000 and $30,000. In fact, only engineering graduates outranked nursing in annual starting salaries, and the difference was slight.

The College of Nursing ranked second out of nine colleges in starting salaries offered to its graduates, according to the survey. Nearly 98 percent of the nursing graduates who responded to the survey are employed full time and 90 percent had their jobs upon graduating.

"This underscores the effect of the nationwide nursing shortage — our students are in high demand and are receiving top dollar for their skills," says Lenz.

On the whole, 54.8 percent of Clemson's 1986-87 graduates found jobs paying between $20,000 and $30,000 a year.

Send items for the University's master calendar, to Mark Ford, department of news services, Trustee House.

Undernutrition may have long-lasting effects on children's social development, researcher says

by Sharon Jones

An education professor's research indicates that undernutrition has a profound effect on the social development of children and that the effects may be long-lasting.

"An insufficient number of calories in the first two years of life causes impairments in behavior, such as social withdrawal, lack of curiosity and involvement in activities," says David E. Barrett, associate professor of elementary and secondary education and a licensed experimental psychologist.

"The most profound finding was that insufficient nutrition predicted behavior for the next six or seven years of a child's life."

Barrett currently is doing research on the effects of undernutrition on children in South Carolina. In his research at Head Start in Anderson and Oconee Counties, he will study how undernutrition affects the cognition and motor development in preschool children, including the effects of vitamin and iron deficiency.

As a result of his research, Barrett wrote "The Effects of Undernutrition on Children's Behavior," a graduate-level reference book published recently by Gordon and Breach Science Publishers. The second author is Debra A. Frank, a pediatrician at the Boston University School of Medicine.

The book, part of a six volume series called "Food and Nutrition in History and Anthropology," focuses on how the effects of undernutrition in early life affect the social and cognitive development of school children. The book also describes the methodology he used to study the problem.

Barrett began studying the effects of nutrition on behavior and intellectual development several years ago. In 1979 he studied those effects on children in Guatemala as a research psychologist for the National Institute of Mental Health. His findings from the Guatemalan study and research studies from other experts are included in the book.

Last year, he and 10 other scientists participated in an international workshop on "Early Nutrition and Later Achievement" in Paris, where Barrett gave a presentation on his research findings. The reports from the workshop were compiled into a book "Early Nutrition and Later Achievement," which has just been published by Academic Press.

Nominations for the Algernon Sydney Sullivan Award will be accepted until Feb. 5.
For more information, call Jack Stevenson at 656-4762.

Education organization honors University communicators

The Office of University Relations was honored recently with six awards in the 1988 Council for the Advancement and Support of Education (CASE) District III Communications Awards Competition.

The departments of agricultural communications and news services jointly received three awards.

A public relations program for the Clemson-Monsanto biotechnology field test earned a Best in Category Award and a Grand Award among general news story or series entries, while a series of stories on state tourism received a Special Merit Award.

Agricultural Communications was honored with three additional awards.

A series of stories on the history and accomplishments of the S.C. Agricultural Experiment Station received an Award of Excellence, and news media package on salmonella earned a Special Merit Award.

In the Visual Design Division, the "Beneficial Bug," part of the annual Clemson gardening information packet, received a Special Merit Award in the Illustration category.

"We are very proud of the recognition the CASE awards bring upon the University and the professional communicators in University Relations," said Harry Durham, associate vice president for University Relations. "This was a true team effort."

CASE District III includes Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Alabama, Mississippi and Florida.

The competition was open to all news and information departments and was judged by university, public relations and news media communications professionals.

Judging criteria included objectives, targeting of audiences and measure of results.

Many new faces join University in last quarter

The University welcomes these new employees who joined within the last year (Note: This is not a complete list of all new employees. Other names will be published when they are received):

April:
Marvin Geter, *custodial worker I*

May:
Mildred A. Cartee, *custodial worker I*
David A. Clark, *resident specialist I*
Cynthia P. Cooke, *resident specialist I*
Pamela C. DeFratus,
administrative assistant I
Parker W. Hall Jr.,
agricultural science associate II
Ronnie W. Johnson,
postal center supervisor
Theresa Kaiser,
administrative specialist A
Peter R. Kapeluck,
agricultural science associate I
B. Gayle H. Kelly, *data coordinator I*
Alexander R. Mitchell,
programmer analyst I
Nancy T. Morgan,
bibliographic instruction coordinator
Stephen J. Nimmer Jr.,
staff development/training specialist
Kay R. Powers, *administrative specialist B*
William A. Retzlaff,
resident associate/assistant professor
Carol A. Richardson,
key entry peripheral equipment operator II
Ethel L. Williams, *custodial worker I*
Susan W. Yoe, *word processing operator*

June:
James F. Baker III, *veterinarian*
Toby M. Boring, *lecturer*
Katherine C. Berger, *agricultural aide III*
Ruth M. Capps, *custodial worker I*
Terry L. Dempsey, *meat inspector I*
John M. Ford,
public information specialist II
James M. Fowler, *postal clerk*
Linda J. Gilbert,
administrative specialist A
Claude E. Hamilton, *trades helper*
Reginald H. Hickman, *meat inspector II*
Doris E. Hodeman,
administrative specialist A
Mack Howard, *senior accountant*
Gregory J. Hulbert, *resident specialist I*
Deborah M. Johnston,
administrative specialist A
Barbara E. Kennedy,
assistant women's basketball coach
Andrea P. Kesler,
administrative specialist A
Timothy D. Korson, *assistant professor*
Gregory H. Long, *supply specialist II*
Sharon Ann Lynch,
administrative specialist I
Douglas M. Manson,
student services program coordinator
Chesley D. Martin,
computer programmer III
B. Darlene McAlister, *custodial worker I*
Janet E. McCall, *clerical specialist A*
Dean Mellon, trades worker
Margarita Moon, *KEPEO II*
Sally J. Moran, *data control clerk*
John B. Nuckolls, *programmer analyst I*
Peter Perhac, *director of housing*
Raymond Talley, *master craftsman*
Gaie Taylor Wilson, *data control clerk*
Jean S. Wilund,
administrative specialist A

July:
Jeffery S. Allen, *research associate*
Van M. Atkinson,
agricultural science associate I
Charles H. Barron Jr,
head/professor, chemical engineering
Roxy R. Beagley,
administrative specialist B
Alicia A. Beam,
executive support specialist
Anne H. Bender, *accountant*
Jack C. Blodgett, *instructor, English*
Max E. Bonek, *lecturer*
Nellie G. Brooks,
word processing operator
Jane P. Buchanan, *data contol clerk*
Kathryn A. Caldwell, *research associate*
Robert K. Coleman, *clerical specialist B*
Robin S. Deloach,
supervisor, news and publications
Nancy H. Dial, *administrative specialist A*
Barry L. Duncan, *clerical specialist A*
Carey J. Green,
assistant women's basketball coach
Diana D. Harrison,
administrative specialist A
April K. Haynes,
administrative specialist A
Evelyn L. Jackson, *custodial worker I*
Amy H. Kennedy,
administrative specialist A
Andrea Jobbagy, *research associate*
Sallie J. Kudra, *programmer analyst I*
Cindy Lynn Lesley, *health educator III*
Robert N. Mattrox, *custodial worker II*
A. Richard Nichols, *head, performing arts*
Randy V. O'Kelley,
engineering associate II
Linda C. Shefchik,
word processing operator
William G. Starcher,
programmer analyst II
Melissa T. Stewart, *programmer analyst I*
Mitchell E. Swaney, *custodial worker I*
Bruce T. Tafford,
lab equipment specialist III
Robert F. Testin,
associate professor, food science
Julie A. Thomas, *librarian*
Joseph R. Tomasso Jr.,
associate professor, aquaculture
Robert L. Webb, *custodial worker II*
Talma J. Williams, *computer operator I*
Arthur J. Womack, *trades worker*

August:
Norma C. Adams,
administrative specialist A
Robert A. Allen, instuctor
Terry L. Anderson,
visiting professor, economics
Paula W. Arrant, *administrative specialist*
Mark Artzrouni,
visiting assistant professor, math science
Juan Carlos Balda
visiting assistant professor
Leigh B. Berman,
visiting instructor, English
Thaddeus R. Bismack,
lecturer, accounting
Bridget Brannon,
instuctor, English
Sara T. Brazeal,
visiting instructor, English
Clark E. Bricker,
visiting professor, chemistry
Mark J. Charney,
assistant professor, English
Patrick F. Cheek, *vehical operator II*
Robert C. Clement,
visiting instuctor, economics
James E. Cross, *librarian*
G. Melvin Hipps, *director GHEC/lecturer*
Phillip Howard Cummings,
associate professor, nursing
Sally P. Cummings,
assistant professor, nursing
Jean L. Dehart, *instructor, speech*
Shawn M. Delong-Jorgenson,
producer/director I
Elizabeth F. Dendy,
visiting instuctor, English
Janice W. Dieter,
visiting instuctor, chemistry
Leroy H. Doar, *visiting assistant professor*
James A. Duncan, *trades helper*

Lewis M. Duncan, III,
associate professor, physics & astronomy
Mary Alice Durham,
administrative specialist A
Lawrence E. Eastaville, Jr.,
assistant professor, geology
Karen T. Ellenberg,
Library technical assistant II
Charles S. Ellis, *instructor, management*
Kevin J. Farley, *assistant professor*
Frankie O Felder, *assistant professor*
Howard R. Feldman,
visiting assistant professor
Sharon R. Gaillard,
administrative specialist A
Barry P. Goettl,
assistant professor, psychology
Roger Gomes, *instuctor, marketing*
Brenda C, Hall, *administrative specialist A*
Gunther Heimke,
visiting professor, biology
Frances A. Herron, *custodial worker I*
Opal S. Hipps,
dean and professor, nursing
Charlotte L. Holt,
visiting instructor, English
Raymond T. Huff,
assistant professor, architecture
Hong Hwang,
visiting associate professor, economics
Gregory A. Ireland,
student services specialist
John T. Isbell,
visiting instructor, physics & astronomy
Clark D. Jerrfies,
visiting assistant professor
Donald L. Johnson, *trades helper*
Beverly I. Jordon,
visiting intructor, nursing
Eleanor L. Keasler, *custodial worker I*
Mark D. Kluge,
visiting assistant professor, physics
Lori L. Langford, *insructor, English*
Ann L. Latimer, *clerical specialist E*
Robert Lee, Jr., custodial worker I
Theresa H. Linker,
administrative specialist A.
George R. Lucus,
assistant professor, philosophy
Myra C. Marshall,
director/lecturer, education
Patricia R. Maybee,
visiting insructor, nursing
Robert James McDonald,
assistant professor, elec./comp. eng.
Maria M. McKinney,
administrative specialist A
Robert E. McLaughlin,
resident specialist A
E. Charlene Medlin, *custodial worker I*
Hal R. Merck, *vehical operator II*
Mark L. Mitchell,
associate professor, finance
Robecca M. Morre, *assistant professor*
Kathy J. Neal, *assistant professor*
Stacey R. Nix, *vehicle oprerator II*
Patricia L. Newell,
word processing operator
William T. Pennington, Jr.,
lecturer/crystallographer
Marcia K. Posey,
visiting insructor, English
Jun Qiu, *visiting assistant professor*
Linda B. Reardon, *lecturer*
Chtristine G. Reynolds,
systems programer II
James T. Roberts Jr., *canteen operator II*
Robin R. Roberts,
visiting instructor/technical director
Bleinda K. Rogers,
administrative specialist A
Beverly W. Rogers,
administrative specialist A
Jeffrey S. Schippmann,
assistant professor, psychology
Robert Schnelle,
visiting instructor, English
Connie E. Sexton,
word prossessor operator
James C. Skelton, *custodial worker I*
Russell C. Standridge, *instructor, English*
Furman C. Stewart, *vehical operator II*
Cathy E. Stowers,
administrative specialist A
Charles P. Sullivan, *associate vice president for advancement services*
Sheila L. Swaney, *custodial worker I*
Nancy S. Tappe,
word prossessor operator
Harold D. Thompson,Jr.,
visiting assistant professor, English
Renee F. Tillet, *programmer analyst I*
David Tipper, *assistant professor*
Edward V. Truesdale, Jr.,
assistant professor, English
Tommy L. Tucker, *fire safety surveyor I*
R. Elaine Turner,
visiting assistant professor, food science
Susan Turner-Lewis,
supervisor, news and publications
Colar G. Weatherford, *assistant professor*
JoEllen WIlbur,
assistant professor, elec./comp. eng.
Betty G Williams, *laundry worker II*
Bobby G. Wixson,
dean and professor, sciences
James R. Woodruff, *visting professor*
Edgar D. Wooster, III, *intructor*
Arthur P. Young, *Campbell Chairman; Professor English/engineering*

September:
Rickie R. Autry, *trades worker*
Vickie N. Bozard, *programmer analyst I*
Lynne H. Clayton, *accounting technician I*
Gladys R. Conte,
student services program coordinator I
Leland O. Drew, *visiting insrtuctor*
Ginger D. Ellenberg, *LTA II*
W. Lynn Fowler, *clerical specialist C*
Helma R. Gentry, *executive assistant*
Patricai K. Greene,
administrative specialist A
Conrad Hall, *meat inspector I*
Elain M. Harley,
administrative specialist A, 1890 program
Debra S. Harris,
administrative specialist A.
Wesley J. Haselden, *meat inspector I*
Xiaohua He,
resident associate/assistant professor
Kathy E. Jenkins,
administative specialist B, major gifts
Gwendolyn D. Jones
student services program coordinator II
Betty K. kelley, *clerical specialist C*
Melba K. Linder,
administrative specialist A
Angela D. Manning, *agricultural aide III*
Jacqueline B. Mathis,
administrative specialist A
Elizabeth G. McClellan,
alumni development manager III
Susan D. McElreath, *resident specialist I*
Mray K. mcGuffin,
administrative specialist A
Marvin S. Nix, Jr., *veterinarian II*
Charles C. Odom, *meat inspector I*
Tracey L. Ouzts, *LTA II*
Julia M. Towe, *clerical specialist B*
Russell S. Tuck, *programmer analyst I*
Ruth A. Watkins,
adminisrtative specialist A
Angela H. Waylett,
administrative specialist A

October:
Mary A. Bormann, *programmer analyst I*
Larry C. Cox, *env systems operator trne*
Ola M. Earle, *custodial worker I*
Debra J. Helvie,
word prossessor operator
Nancy J. Korn, *ag. science associate II*
Lola S. Lusk, *custodial worker I*
David C. Mattews, *agricultural aide II*
Nancy H. Rogers,
administrative specialist A
Sandra E. Swaney,
administrative specalist A
Gina E. Warren,
student services program coordinator I

Departmental notes

(Because of a backlog of departmental notes, not all of them will appear at once. We will try to publish them as quickly as possible to keep the listings up to date. Thank you to those who have called in; we appreciate your comments.)

Forestry

D. H. Van Lear (Bowen Prof), T. A. Waldrop (U.S. Forest Service), F. T. Lloyd (U.S. Forest Service) and W. R. Harms (U.S. Forest Service) published "Long-term Studies of Prescribed Burning in Loblolly Pine Forests of the Southeastern Coastal Plain" as USDA-FS, Southeastern Forest Experiment Station Gen. Tech. Report SE-45.

G. W. Wood (Prof) published "South Carolina Woodcock Wing Survey (1982-85)" in Proceedings, Annual Conference Southeastern Fish and Wildlife Agencies.

R. Zahner (Prof), **R. K. Myers** (Assoc Prof, ag sci), and **S. M. Jones** (Assoc Prof, ag sci) published "Forest habitat regions of South Carolina," Dept. of Forestry Research Series No. 42.

History

Richard M. Golden (Prof) published Social History of Western Civilization vol. II. Readings from the Seventeenth Century to the Present.

Golden also reviewed From Valor to Pedigree: Ideas of Nobility in France in the Sixteenth and Seventeenth Centuries in History: Reviews of New Books 15.

Charles H. Lippy (Prof) reviewed The Christian Home in Victorian America by Colleen McDonnell in History: Review of New Books 15.

Lippy also reviewed The Establishment Clause: Religion and the First Amendment by Leonard W. Levy in Religious Studies Review 13 (July 1987): 276.

Jerome V. Reel, Jr. (Prof) reviewed Musings: THe Musical Worlds of Gunther Schuller, in Opera Journal.

Reel also reviewed First Rival of the Metropolitan Opera in Opera Journal.

Reel also reviewed The Future of Opera in Opera Journal.

Industrial Engineering

James A. Chisman (Prof) presented invited seminars on applications of simulation modeling and integer programming at the Industrial Engineering Departments of the Instituto Superior Tecnico, Lisbon, Portugal (June 30), New University of Lisbon (July 1), and Universidad de Sevilla, Spain (July 3). He also consulted with the heads of each program on the industrial relevance of their programs.

Languages

Helene M. Riley (Prof) reviewed Die Hamburger Oper, Eine Sammlung von Texten der hamburger Oper aus der Zeit 1678-1730 in Colloquia Germanica 19.

H. E. Stewart (Prof) has been named president of the S. C. Foreign Language Teachers Association during 1987-88.

In addition, Stewart published "Louis Menesclou, Assassin and Source of the 'Lilac Murder' in Genet's Haute Surveillance" in Romance Notes.

Library

Dennis Taylor (University Archivist) published a paper entitled "Researching Collections of Public Officials: Problems and Solutions" in Southeastern Librarian 37(Fall) 1987.

Mathematical Sciences

Khursheed Alam (Prof) presented three papers at the Joint Statistical Meetings of the American Statistical Association and the Institute of Mathematical Statistics in San Francisco Aug. 17-20.

The papers were: "An Adaptive Robust Method for Regression Analysis," "Limiting Distribution of a Convolution," and "Selection Problems in Life Testing."

In addition, Alam has been elected a fellow of the Institute of Mathematical Statistics. He was presented the certificate of Fellowship at the Annual Meeting of the Institute in San Francisco on Aug. 17. He was cited in the meeting for his contributions to statistical ranking and selection procedures, decision theory, regression analysis, non-parametric theory and statistical analysis of diversity, and for excellence in teaching.

Mechanical Engineering

James G. Goree (Prof) attended the Fourth International Conference on Composite Structures in Paisley, Scotland on July 27-29, 1987 where he chaired a technical session.

Goree also attended the combined Sixth International Conference on Composite Materials - Second European Conference on Composite Materials at Imperial College in London, United Kingdom, July 20-24. 1987. He presented a paper entitled, "Damage Growth in Composite Laminates with Interleaves," co-authored by A. K. Kaw (Asst Prof, University of Florida).

Imtiaz Haque (Asst Prof) attended the 10th Annual International Association for Vehicle System Dynamics (IAVSD) Symposium on Dynamics of Vehicles on Roads and tracks which was held at the Technical University in Prague, Czechoslovakia, Aug. 23-30. Of the 107 papers submitted, only 68 were selected for presentation as ordinary or poster papers. Haque presented a paper, "Parametrically Excited Behavior of Railway Vehicles," co-authored with **J. Lieh** (Grad Asst). This paper was one of the 48 papers selected for presentation as ordinary papers.

Ranganathan Kumar (Asst Prof) presented invited lectures on Buoyancy Driven Flows in Enclosures" at the Indian Institute of Technology, Madras, and Electronic Test and Development Center, Bangalore, when he visited India in July 1987.

C. E. G. Przirembel (Prof and Head) was recently elected a Fellow Member of the American Society for Engineering Education in recognition of outstanding contributions to the society. Approved by the Board of Directors in 1982, this grade of membership is awarded to individuals with extraordinary qualifications and experience in engineering and engineering technology education who have made particularly important contributions to the field.

Przirembel also organized and chaired a session on "Innovative Educational

Programs Stressing University/Industry Cooperation" at the 1987 Annual Conference of the American Society for Engineering Education. The conference was the forum for the review of all eleven Engineering Research Centers, the education components of the National Science Foundation.

In addition, Przirembel was recently appointed to the Board of Directors of the Accreditation Board for Engineering and Technology. He represents the American Society of Mechanical Engineers.

Nursing - Academic Programs

R. B. Hughes (Assoc Prof), **K. J. Sauvain** (Adj Instr), **L. H. Blanton** (Prof, agricultural education) and W. R. DeLoache (Greenville Hospital Center) published "Outcome of Teaching Clean Versus Terminal Methods of Formula Preparation" in Pediatric Nursing, July-August 1987.

Physics and Astronomy

A. L. Laskar (Prof) presented a paper "Mass and Charge Transport on AgCl-Ce+3 System," co-authored by **K. V. Reddy** (Vstg Prof) and **W. A. Popson** (Grad Stu) at the international conference "Solid State Ionics - 87," Sept. 6-11, at Garmisch-Partenkirchen, West Germany.

Laskar also visited the CNRS Lab, Bellevue, France and presented a seminar Sept. 14.

John R. Ray (Prof) and **Mark D. Kluge** (Vstg Asst Prof) published "Pulsed Laser Melting of Silicon: A Molecular Dynamics Study" in the Journal of Chemical Physics, Aug. 1987.

Planning Studies

Jose R. Caban (Assoc Prof and Head) has been asked to serve on the Editorial Advisory Board of the Urban Design Review.

In addition, Caban has been elected to a three-year term as secretary-treasurer of the Urban Design and Preservation Division of the American Planning Association.

Plant Pathology and Physiology

O. W. Barnett (Prof), **P. M. Burrows** (Prof, Exp Stat), and J. W. Randles (researcher, Waite Agricultural Research Institute, Australia) published an article entitled "Relationships Among Australian and North American Isolates of the Bean Yellow Mosaic Potyvirus Subgroup" in Phytopathology.

L. W. Baxter, Jr. (Prof), **S. B. Segars** (Assoc Prof, ag sci), and **S. G. Fagan** (Asst Prof, ag sci) published "Better control of camellia flower blight caused by Ciborina camelliae Kohn" in The Camellia Journal.

In addition, Baxter, Segars, and Fagan published "Studies on grafting camellias; the use of one-leaf, one-bud scions" in The Camellia Journal

N. D. Camper (Prof) and **C. H. Frisch** (Former Grad Res Asst) published "Callus from Cameilliasinensis and C. japonica stem tissue" in The Camellia Journal.

E. I. Zehr (Prof), **C. G. Eayre** (Former Grad Asst), and B. A. Jaffee (Asst Prof, University of California-Davis) published an article entitled "Suppression of Criconemella xenoplax by the Nematophagous Fungus Hirsutella rhossiliensis" in Plant Disease.

Political Science

Charles W. Dunn (Prof and Head) lectured on "Religion in the Course of American Politics" during the bicentennial of the U.S. Constitution lecture series sponsored by the Charleston consortium of colleges, Baptist College, the Citadel and the College of Charleston, Sept. 17.

Dunn also appeared on a special roundtable featuring the four political science authors of books on religion in American politics at the 1987 Convention of the American Political Science Association in Chicago, Sept. 9-13.

In addition, Dunn was appointed by President Ronald Reagan to a three-year term on the United States Board of Foreign Scholars which selects approximately 5,000 Fulbright Scholars each year.

William Lasser (Asst Prof) delivered a paper on "The Supreme Court and the Separation of Powers" at the 1987 Convention of the American Political Science Association in Chicago, Sept. 9-13.

Michael A. Morris (Prof) has been named a Fulbright Exchange Professor for Great Britain and will be teaching at the Hatfield Polytechnic.

In addition, Morris delivered a lecture on Latin American Straits May 14, at the London School of Economics (University of London), London, England.

Morris also authored an article with Victor Millan of the Stockholm International Peace Research Institute (Sweden), "Confidence-Building Measures in Comparative Perspective: The Case of Latin America" in Confidence-Building Measures and International Security.

Morris also chaired a panel, "Nationalism in Latin American Ocean Policies,' at the annual meeting of SECOLAS at Meridan, Yucatan, Mexico, March 31-April 2, 1987. He also presented a paper at the meeting, "Nationalism in Latin American Ocean Policies."

In addition, Morris authored "The Politics of Caribbean Straits," for Ocean Development and International Law Journal 1987.

Morris also authored an article, "Change and Continuity in Arms Proliferation and Arms Control in Latin America" in Latin America and Caribbean Contemporary Record.

David Woodard (Assoc Prof) delivered a paper on "The Political Agenda of New Right Evangelists" at the 1987 Convention of the American Political Science Association in Chicago Sept. 9-13.

Professional Development

From August 18 to 20, **Ralph Elliot** (Assoc Dean and Director) was the invited guest of the Ministry of Education, Taiwan, Republic of China to give a series of lectures on continuing professional education in Taipei and Kaohsiung.

Also in August, Elliot gave lectures on continuing education to faculty/staff at the University of Nebraska-Lincoln. He also gave a presentation to the annual Georgia Adult Education Association meeting held in Atlanta on August 5-7.

Elliot will publish two continuing professional education monographs this Fall through the Learning Resources Network in Manhattan, Kansas. Elliot has also been invited to write a chapter on "Using Direct Mail Marketing to Increase Attendance at Meetings" for a new Continuing Education Handbook to be published by Jossey Bass.

Wellness Program announces heart-month lineup

February is heart month, and the Wellness Program offerings reflect that theme.

Some sessions will require pre-registration. To do so, call 656-5520 or 656-3076.

• On Feb. 4, Kim Santos of the University Fire Department speaks on "Heart Attack — It Can Happen in Your Family" from noon to 1 p.m. in Room 111 of the College of Nursing Building.

Later that same day from 4-5 p.m., Oconee County Agent Carolyn Harris and Pickens County Agent Mary Batson will offer a Healthy Heart Cooking Demonstration in Room B-211 of Poole Agricultural Center.

Pre-register for both by Feb. 3.

• On Feb. 9, Saranne Schauer of the Nursing Center will demonstrate CPR — Adult Heartsaver I (one-man rescue) from 4 to 6 p.m. in Room 111 of the College of Nursing Building. Pre-registration required by Feb. 8. Cost is $15.

• On Feb. 10, psychology Professor Barbara Dickson-Parnell speaks on "Coping Skills for Working Parents — How to Handle Peanut Butter, Jelly and Guilt" from noon to 1 p.m. in Room 302 of the College of Nursing Building.

Later that day from 4 to 6 p.m., Saranne Schauer of the Nursing Center will demonstrate CPR — Adult Heartsaver II (one-person rescue) in Room 111 of the College of Nursing Building.

• On Feb. 16, home economics Professor Ruby Cox speaks on "Stress and Nutrition" and "Your Eating Habits Can Impact Your Stress Level" from noon to 1 p.m. in Room 111 of the College of Nursing Building. Pre-registration is required by Feb.15.

Later that day from 4:30 to 6:30 p.m., Kim Santos of the University Fire Department will demonstrate CPR — Adult Heartsaver I (one-person rescue) in Room 111 of the College of Nursing Building. Pre-registration is required by Feb.15. Cost is $15.

• On Feb. 17, Saranne Schauer of the Nursing Center will demonstrate CPR — Adult Heartsaver (one-person rescue) from 6 to 10 p.m. in Room 111 of the College of Nursing Building. Pre-registration required by Feb.15. Cost is $15.

• On Feb. 18, Wellness Coordinator Lynn Lesley speaks on "Salad Bars — Wellness Friend or Foe?" from noon to 1 p.m. in Room 111 of the College of Nursing Building. Pre-registration is required by Feb.15.

• On Feb. 19, Kim Santos of the University Fire Department will demonstrate CPR — Adult Heartsaver II (one-person rescue) from 4:30 to 6:30 p.m. in Room 111 of the College of Nursing Building.

Calendar at a Glance

January

27

Film: "Risky Business" Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

28

Performing Artist Series: Alvin Ailey Repertory Ensemble. Sponsored by University Union (656-2461), 8 p.m., Tillman Hall Auditorium, $10 public, $7 students/senior citizens.

28-30

Film: "The Lost Boys" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

29

Clemson Debate Tournament. Sponsored by performing arts department (656-3043), 3-4:30 p.m., Daniel Hall Auditorium, free.

30

Clemson Writers Seminar: with Jane Robelot of WSPA-TV and Joann Fisher of WCCP-radio. Sponsored by Sigma Tau Delta (656-5179).

February

1

Film: "Shadow of a Doubt" Sponsored by University Union (656-2461), 7 p.m., Y-Theater, $1.

1

Lecture: "The Constitutional Status of Afro-Americans into the 21st Century," by Ernest Finney, Assoc. Justice, The South Carolina State Supreme Court. Sponsored by Black Awareness Committee and Omega Psi Phi Fraternity (656-2153), 7 p.m., Tillman Hall Auditorium, free.

1

Lecture: "The Future of Construction Industry," by Bob Silverman. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, Lee Hall, free.

2

Last day to withdraw from class or the University without record.

3

Film: "The Maids of Wilko" Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, free.

Clemson
WEEKLY
Vol. 27, No. 20 Feb. 3, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Gift to fund unrestricted academic scholarships

An alumnus who earned his Clemson degree on an athletic scholarship is returning the favor by boosting the University's ability to recruit academic all-stars.

Philip H. Prince and his wife, Celeste, have made a $900,000 commitment to the Clemson University Foundation to establish the Prince Presidential Scholars Endowment.

The commitment, which includes a $300,000 cash gift and a $600,000 bequest, initially will fund three, full, four-year scholarships, each worth at least $6,000 annually. The endowment eventually will support a minimum of nine scholarships.

President Max Lennon said the gift will help the University address its critical need for unrestricted academic scholarships that can be used to recruit and recognize top students in all majors.

"The Prince gift is being made through significant personal sacrifice," Lennon said, "Phil and Celeste care enough about Clemson and young people to sacrifice a large portion of their capital assets.

"This is both a tribute to them and a challenge for the rest of us to go the extra mile in our efforts and our commitment to make Clemson one of the top universities in this nation."

Prince was a star member of the undefeated and untied Clemson football team that won the Gator Bowl in 1949, the year he graduated.

A retired senior vice president for The American Express Company, he currently is a business consultant living at Pawleys Island.

He serves Clemson as vice president of the Clemson University Foundation, which seeks and manages private contributions for Clemson.

Accountancy gets internal auditing grant

A $15,000 grant to the School of Accountancy from the the Institute of Internal Auditors Research Foundation (IIARF) will establish a program in internal auditing education here, giving Clemson one of three such IIA-endorsed programs in the nation.

Professor Thomas G. Friedlob, who coordinated the unanimously accepted proposal, has been named an IIARF Faculty Research Fellow by the organization.

The country's only other such programs belong to Louisiana State University and Brigham Young University.

The IIARF is comprised of more than 31,000 members in more than 100 countries.

Fike's aerobic classes are off to a fast start this year. Pulling the popular program together is Jessie Blazer. More on Fike's new aerobics coordinator on p. 4.

Briefly

Sunday bowling league scheduled for Feb. 7

Sunday night bowling leagues will not begin until Feb. 7 at 7 p.m. Cost is $4 per week.

Leagues are available to all faculty, staff and students. Sign up now at the Union Lanes. Openings are still available.

For information, call 656-5838.

Phi Kappa Phi seeks member nominations

The local chapter of The Honor Society of Phi Kappa Phi is accepting nominations of Clemson University faculty and staff members to be considered for membership in two categories:

— those who would have been eligible for undergraduate membership but attended institutions without Phi Kappa Phi chapters.

— those who would not have been eligible for undergraduate membership but have since distinguished themselves by scholarly achievement.

To be eligible for undergraduate membership, one must be in the top 10 percent of the senior class or top 5 percent of the junior class.

Faculty-staff nominations, complete with documentation of the nominee's qualifications, should be sent to Jack McKenzie, University Relations, Trustee House, Clemson University, Clemson, S.C. 29634 (656-3861).

The deadline is Feb. 5.

Also, Phi Kappa Phi members who are new to the area or who have not received any chapter mailings within the past year should contact Maureen Harris in the Cooper Library (656-5174) at Clemson to be added to chapter's mailing list.

Strength adviser available at Fike this semester

If you want to work out in the weight rooms but just aren't sure how to go about it, or even how to get started, wait no longer.

Wayne Ford is Fike's strength training adviser this semester and will be available from noon to 2 p.m. every Tuesday to provide personal counseling for those interested in developing individual strength programs and learning to use weight equipment properly.

Ford will be available for an hour each in the free-weight room and in the universal-weight room.

For more information, call Dewilla Gaines at 656-2119.

Business & Finance names outstanding employees

Business and Finance Outstanding Employees of the Month for are:

Accounting technicians Kathey B. Ricketts in the Payroll Office and Jan H. Payne in the Accounting Office for October,

Motor pool accounting technician Dixie B. Carroll, motor pool trades worker Ronald E. Felty and laundry manager J.W. Elrod for November.

"It is always a pleasure to present these awards," said Vice President David Larson upon presenting the awards.

"We are proud of all these employees and the standards of excellence and dedication they set for us all."

Fike posts spring hours

Fike users (and potential Fike users) should take note of the following hours and numbers:

- Evening swimming pool hours for recreational swimming are 8-10 p.m. Monday through Friday.
- The indoor track at Littlejohn Coliseum is open from 8 a.m. to 3 p.m. Monday through Friday.
- For tennis and racquetball reservations, call 656-2315.
- For daily sports announcements, call SPORTSLINE at 656-2389.

Nursing Center offers cholesterol testing

During February the Nursing Center will offer cholesterol testing for $5.

For more information or to find out how to send this as a special, healthful Valentine's Day gift, call Lynn Lesley at 656-5520.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Feb. 5 for Feb. 17 issue.**

Black faculty, staff organization forms

Black faculty and staff have a new organization on campus — the Clemson University Black Faculty and Staff Association (CUBFSA).

The organization will promote Clemson's interests by encouraging black faculty and staff involvement in University affairs.

Specific objectives for the organization are:

* to enhance the academic, professional and social potential of black faculty and staff,
* to promote a nurturing intellectual, cultural and social climate for black student development at Clemson,
* to support and augment Clemson's efforts to recruit and retain black faculty, staff and students and
* to provide a channel for dialog with the University administration on issues affecting the status of blacks on campus.

CUBFSA is open to all faculty and staff and meets the second Thursday of each month at 7:30 p.m.

Elected members of the executive committee are:
Agricultural economics Professor James C.O. Nyankori, president
Industrial engineering Professor Bevlee A. Watford, vice president
Chemistry Professor Gregory H. Robinson, secretary
Mathematical sciences Professor Calvin Williams, treasurer
Ibrahim Hanif, member at large from the reference library.

For more information, call 656-2936.

Direct deposit available now

If the recent snowstorm kept you and your paycheck apart, perhaps it's time to start thinking about direct deposit.

All full- and part-time employees and graduate students are eligible for direct deposit, and it is available to almost any type of banking institution in South Carolina.

Paychecks are deposited to your account electronically, and you still receive a check stub each payday showing your gross pay, all deductions and net pay.

Direct deposit forms are available through each departmental secretary or through the Payroll and Insurance Office.

"This is a very convenient and reliable service," says payroll manager Carl Henson. "We urge each eligible employee to give this serious consideration."

For more information, call the Payroll Office at 656-5585.

Sheriff named associate dean

Jimmy D. Sheriff is the new associate dean of the College of Commerce and Industry.

Sheriff

A professor of accountancy, he has been with Clemson since 1974.

He has degrees from Central Wesleyan College and the University of Georgia.

He succeeds Thomas D. Efland, who retired.

Scholarship applications available now in Financial Aid

Applications for undergraduate scholarships to be awarded next year are available in the Financial Aid Office, G01 Sikes Hall.

By submitting an application, a student will be considered for all scholarships awarded by the University. Students anticipating renewal of their scholarships are required to reapply by March 1 in order to maintain their eligibility.

Students are encouraged to apply for need-related scholarships by submitting the Financial Aid Form. This form is available at the Financial Aid Office and should have been submitted to the College Scholarship Service by Feb. 1 in order to allow ample processing time.

The University Scholarships and Awards Committee selects scholarship recipients. Most scholarships specify eligibility criteria such as need, major, county residence, state residence and career goal. Stipends range from $100 to $5,000.

Most award notifications are mailed in late April, and all applicants will be notified of the status of their requests even if they are not awarded scholarships.

Transfer students must complete one full semester (12 hours) before being considered.

Fike's aerobics coordinator blazing a new trail

With a record number of students, faculty and staff taking aerobic classes at Fike this year, the University has hired a part-time aerobics coordinator to continue its top-notch physical fitness education program.

As the new aerobics coordinator, Jessie Blazer will supervise the aerobics program, which includes 25 instructors and more than 1,800 students.

She will schedule the classes and conduct seminars on proper techniques for aerobics instruction.

"She will keep the instructors up to date on new aerobic techniques," says Dewilla Gaines, assistant director of intramurals.

"We wanted to make sure that we provide the students, faculty and staff with safe, quality instruction."

Blazer, a native of Greenville, has a bachelor's degree in health and physical education from Furman University and is certified as an exercise test technologist by the American College of Sports Medicine.

Before coming to Clemson, she was program director at the Greater Greenville YMCA from 1985-86.

She was also an exercise test technologist at the North Greenville Sickness and Cardiac Rehabilitation Clinic from 1986-87, where she did fitness evaluations for the Greenville police and fire departments.

She currently is a sophomore nursing major at the University.

Blazer

February

3
Short Course: Beginning Bracelet Making. Sponsored by University Union (656-2461), 7-9 p.m., $8.

3
Film: "The Maids of Wilko" Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, free.

4-6
Film: "Innerspace" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

6
Concert: Jimmy Buffett. Sponsored by University Union (656-2461), Littlejohn Coliseum, 8 p.m., $16.75.

7
Film: "The Money Pit" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

8
Lecture: "The Economic Implications of Apartheid," by Robert Pratt, Assistant Professor of History, Univ. of Georgia. Sponsored by Black Awareness Committee, history department, and Phi Alpha Theta NationalHistory Honor Society (656-2153), 7 p.m., Tillman Hall Auditorium, free.

8
Lecture: Philip Mullen. Sponsored by College of Architecture (656-3081), 8 p.m., William G. Lyles Auditorium, Lee Hall, free.

8-29
Philip Mullen: A Retrospective Exhibition. Sponsored by College of Architecture (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall.

10
Meeting: Women in Higher Education Network, with Yvonne Wilkie, manager, New Horizons Travel. noon-1 p.m., Golden Corral restaurant (656-4990).

10
Clemson University Concert Series: Chamber Orchestra of the Auvergne. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

11

Short Course: Relaxation for Leisure and Super Learning. Sponsored by University Union (656-2461), 7-9:30 p.m., $25.

11
Lecture: "'The Red River Rats' and Blacks in Vietnam," by Col. Richard Toliver, U.S. Air Force. Sponsored by Black Awareness Committee (656-2153), 7 p.m., Student Senate Chamber, free.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Board gives go ahead for licensing Blue Cheese

Clemson Blue Cheese may soon be licensed commercially, paying big dividends to the University and the College of Agricultural Sciences.

Jack Janzen, now retired from the dairy science department, inspects Clemson Blue Cheese in a refrigerated aging room in Newman Hall.

At its Jan. 30 meeting, Clemson's Board of Trustees authorized the University administration to develop a request for proposals to license the Clemson Blue Cheese name and process for commercial production and marketing.

"This is a significant potential source of revenue and visibility for the University," Bob Gilliland, special assistant to the president, told the Board.

"We would stipulate that any proposals developed allow us to continue to manufacture the cheese here on campus for education and research purposes and to market it through the Ag Sales Center. We also would give preference to proposals to produce the cheese in state."

Income generated from licensing would go to sources indicated by the Board, Gilliland said, noting that the administration's recommendation would be to earmark funds for the College of Agricultural Sciences.

Proposals will be brought before the appropriate Trustee committees and the full Board for approval, he said.

In other business President Max Lennon announced a $900,000 commitment to the Clemson University Foundation by Philip H. Prince and his wife, Celeste, to establish the Prince Presidential Scholars Endowment.

The Board also heard mid-year status reports on fund raising, which indicated that the University raised more private dollars from July 1, 1987, to Dec. 31, 1987, than in any previous six-month period, and on building projects currently under way, including the Strom Thurmond Institute facility.

Search begins to fill Hunter Chair in bioengineering

University officials have begun the search for a world-class scholar to fill the Hunter Endowed Chair in Bioengineering, a faculty position created by a $1 million gift from alumnus Thomas M. Hunter, who died last August.

It was Hunter's wish that, after his death, the gift would benefit the department of bioengineering.

"As a lifelong engineer, I am excited and pleased to see engineering knowledge being applied so creatively toward solving problems of the human body, toward helping people in the most direct, personal sort of way," Hunter said upon making his bequest in March 1973.

Hunter's bequest establishes a chair named for his brother, Joe Everett "Little Joe" Hunter, an 1896 Clemson graduate and mathematics professor here from 1901-1947.

"We're looking for an engineer with expertise in biomaterials," says Charles Jennett, dean of the College of Engineering.

"This is a worldwide search for a researcher and teacher who will contribute to the excellence of our bioengineering department."

Mrs. Hunter contributes to central animal facility

Thomas M. Hunter's widow, Page, has contributed an additional $125,000 to the Hunter chair and some $100,000 toward the University's fund drive to build a central animal facility.

The fund-raising effort was initiated last September to raise private money to cover a portion of the estimated $8.4 million total cost of such a facility, which will provide a home for sophisticated life sciences research and animal housing and care.

Briefly

Panel discussion on teaching set for Feb. 17

The Clemson Chapter of the American Association of University Professors will have a panel discussion Feb. 17 on "Teaching: The Second Oldest Profession" at 4 p.m. in 108 Strode Tower.

Chemistry Professor John Huffman will be the moderator.

Panelists and their topics are: Dean of Sciences Bobby Wixson, *"Excellence In Teaching and Research,"* Education Professor William Leonard, *"Difficulties with Large Class Size Instruction,"* Lemon Professor of Literature Roger Rollin, *"Some Questions About the Dynamics of Teaching,"* Sociology Professor Charles McKelvey, *"The Unintended Consequences of the Evaluation of Teaching."*

A discussion will follow the presentations.

For more information, call Cindy Belcher at 656-5482.

Fish, wildlife research unit will be established here

The department of aquaculture, fisheries and wildlife received a big boost recently when the federal government approved $175,000 to set up a new fish and wildlife cooperative research unit at Clemson.

The U.S. Fish and Wildlife Service will provide the money to start and equip the new unit, which will join 43 research units already established nationwide. The project also will receive $40,000 from the state Wildlife and Marine Resources Department.

The unit will bring three new researchers to Clemson, which also will benefit from increased funding in non-competitive research grants.

Burtner nominations open now

Nominations are open for the $500 Frank A. Burtner Award for excellence in advising students.

Criteria include:

1) leadership
2) devotion to duty
3) service to students.

Nominations are due Feb. 19 in the Student Development Office.

Nutrition course served up through April

The Wellness Program, in association with the American Red Cross, is offering the nutrition course "Better Eating for Better Health" on March 8, 15, 22, 29, April 5, and 12 from 7 to 9 p.m.

Pre-registration deadline is Feb. 19. The course fee is $20.

The course will enable consumers to make wise personal food decisions for better health based on current scientific knowledge.

Activities will include examining personal eating habits, evaluating information on food labels, identifying ways to control weight and trying new foods that reflect the dietary guidelines.

Adults interested in nutrition are encouraged to attend.

For more information, or to register, call the Wellness Office at 656-5520 or the Nursing Center at 656-3076.

Philosophy and religion sponsors spring speakers

The philosophy and religion department is sponsoring the following spring speakers:

• Feb. 10
Professor Davis Baird, philosophy department, University of South Carolina, *"Scientific Instruments, Scientific Progress, and the Cyclotron"* 4 p.m., Room 200 Hardin Hall

• Feb. 24
Professor Donald Verene, philosophy department, Emory University *"Vico and Joyce: the Philosophical Background of Finnegan's Wake"* 3:30 p.m., Room 200 Hardin Hall

Product expo held Feb. 23

The 1988-89 Prison Industries Product Exposition will be held Feb. 23 in the Gold and Purple Rooms in the Clemson House. Exhibits will be open from 8:30 a.m. to 6 p.m.

For more information call Mary Purcell at 656-2091.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Feb. 12 for Feb. 24 issue.**

Milstead assumes post on state nursing board

A nursing faculty member has been appointed president of the state board of nursing.

Jeri Milstead is the new president of the state board of nursing

Jeri Milstead, assistant professor of nursing, will serve a four-year term on the board, which is responsible for protecting the public by regulating the nursing profession in South Carolina.

The board approves all basic nursing programs and oversees the licensing of all registered and licensed practical nurses in state.

"My priorities will be to keep nurses in South Carolina informed about legal and disciplinary matters. We're working to upgrade our services to nurses in terms of licensing and education and to represent South Carolina nationally as a progressive and action-oriented state," she says.

A registered nurse who is specializing in adult health and public policy, Milstead was appointed to the position by former Gov. Richard Riley. She was vice president of the board last year.

In addition, she chairs the Nurse Practice Act Task Force, a committee set up to review and revise laws governing the state's nursing profession.

The S.C. Board of Nursing is composed of seven members — four registered nurses, two licensed practical nurses and one consumer, all appointed by the governor on a rotating basis.

Camp Placement Day coming up Feb. 23

If you or someone you know is interested in the great outdoors and working with kids, the parks, recreation and tourism management department is sponsoring its 17th annual Camp Placement Day Feb. 23 from 10 a.m. to 5 p.m. in the Palmetto Ballroom of the University Union.

This year, more than 50 camps will be represented, each looking to hire from 10 to 75 people for summertime positions. Jobs the camp directors will interview for include counselors, nurses or emergency medical technicians, and food service, maintenance, and program directors and administrators.

Activity instructors are needed in a variety of indoor and outdoor activities, ranging from swimming, rock climbing and horseback riding to music, computers and pottery making.

Roughly half the camps represented are located in the mountains of western North Carolina, upstate South Carolina or northern Georgia. Four camps are located on the coast of North or South Carolina. The rest of the camps are fairly evenly spaced across the Piedmont regions of North Carolina, South Carolina, Georgia and Tennessee.

"Summer camp work is one of the most rewarding experiences a person can have in one of the most healthy and positive environments anywhere," says Placement Day Director Walt Kuentzel. "Come find a summer job that guarantees you an experience you'll never forget."

For more information call Kuentzel or Charlie White at the Outdoor Lab at 646-7502.

"Purlie" comes to Tillman Auditorium

Musical comedy is the theme for Valentine's night as the hit Broadway play "Purlie" comes to Clemson Feb. 14.

The two-time Tony Award-winning play has run on Broadway for more than two years and is based on the play "Purlie Victorious" by actor Ozzie Davis.

The action takes place 30 years ago on an old Georgia estate, where the hero, Purlie Victorious Judson, has returned to claim a family inheritance so that he can reopen his grandfather's barn church.

Sponsored by the black awareness committee, the 8 p.m. performance will be in Tillman Hall Auditorium. Cost is $2 for University faculty, staff and students and $3.50 for the public. Tickets are available in the University Union Box Office.

For information, call 656-2461.

Patrick Jordan, administrator for Cooperative State Research, U.S. Department of Agriculture, unveils the portrait of University founder Thomas Green Clemson that will be displayed in the S.C. Hall of Fame in Myrtle Beach.

Clemson was named to the Hall last month along with Cardinal Joseph Louis Bernardin of Chicago, whose diocese includes the country's largest number of Catholics.

Each year, the Hall inducts two members, one living and one deceased.

United Way says "thank you" to University contributers, volunteers

Although not quite the success it was hoped to be, the University's 1987 United Way Campaign raised roughly 90 percent of its $60,000 goal.

Of the $53,959.50 final total, professional development had the highest percentage increase in total dollars contributed. Administrative programming services had the highest percentage of employees to participate.

Both departments were honored at a drop-in hosted recently by President Lennon in the Clemson House.

"On behalf of the University and the United Way, I would like to thank all our employees for their contributions," says Chairperson Almeda Rogers, associate vice president for student affairs. "I especially want to thank the members of the steering committee for their time and effort."

Employees recognized for outstanding accomplishments as United Way solicitors were Sharon Gaillard in professional development, Brenda Goodman of the Graduate School and Ken Peden of elementary and secondary education. The three received complimentary tickets to the Clemson/University of South Carolina basketball game.

New fundraiser returns to alma mater

A leader of Clemson's young alumni organization will be joining his alma mater full time Feb. 19 to bolster the University's fund-raising efforts.

Dave Jenkin is the new director of foundation and corporate development

Dave Jenkin, a 1983 Clemson graduate and president of the Young Alumni Associates, has been named director of foundation and corporate development.

He is currently assistant vice president of NCNB National Bank of North Carolina in Charlotte.

"Dave will be a valuable addition to our fund-raising staff because he knows the state, he knows the regional corporate community, and, of course, he knows Clemson," says Jeff McNeill, associate vice president for development.

Jenkin graduated cum laude with a degree in financial management.

During his association with NCNB, Jenkin was responsible for major contract negotiations, development of major vendor relationship management programs and a team effort on contractual arrangements that contributed significantly to NCNB's earnings.

He succeeds Don Fowler, who is now director of development at Furman University.

Professor Alfred Newton (left), head of the industrial education department, and James Matthews (center), dean of the College of Education, admire a signed and numbered print of "We the People," a painting commissioned by the Printing Industry of the Carolinas to commemorate the bicentennial of the U.S. Constitution.

PICA President Bill Treadaway presented the print to Clemson on behalf of PICA to celebrate the opening of the new graphic communication educational facilities in recently renovated Godfrey Hall, where the painting will be displayed. Dedication ceremonies for the new facilities will be March 2-4.

February

Through-29
Philip Mullen: A Retrospective Exhibition. Sponsored by College of Architecture (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall.

10
Meeting: Women in Higher Education Network, with Yvonne Wilkie, manager, New Horizon Travel. noon-1 p.m., Golden Corral restaurant (656-4990).

10
Clemson University Concert Series: Chamber Orchestra of the Auvergne. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

11
Short Course: Relaxation for Leisure and Super Learning. Sponsored by University Union (656-2461), 7-9:30 p.m., $25.

11
Lecture: "'The Red River Rats' and Blacks in Vietnam," by Col. Richard Toliver, U.S. Air Force. Sponsored by Black Awareness Committee (656-2153), 7 p.m., Student Senate Chamber, free.

11
Short Course: The Total Woman: Skin Care, Glamour, Color Analysis. Sponsored by University Union (656-2461), 7-9:30 p.m., $5.

11-13
Film: "Stakeout" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

12
Edgar's: "Denny and Lee, Amazing Illusions" Sponsored by University Union (656-2461), $1.

14
Film: "The Love Bug" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

14
Play: "Purlie." Sponsored by Black Awareness Committee (656-2153), 8 p.m., Tillman Hall Auditorium, $3.50 students/senior citizens; $2 public.

15
Lecture: Aldo Rossi, architect. Sponsored by College of Architecture (656-3081), 8 p.m., William G. Lyles Auditorium, Lee Hall, free.

16
Film: "Ah Fei" Sponsored by University Union and Chinese Student Association (656-2461), 7 p.m., Y-Theater, free.

17
Film: "The Deer Hunter" Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

18-20
Film: "Full Metal Jacket" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

19
Clemson University Jazz Ensemble. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

21
Film: "The Road Warrior" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

Even cows use computers

Bossy the cow has gone high tech.

Not only does a computer record her milk production and health, it also predicts her romantic moods.

In addition to preventing costly recording errors, a computerized tie-in system like the one added to the Lamaster Dairy Center can save producers valuable time and labor costs, says Mike Moore, herdsman at the center.

"The computer automatically reads and records milk weights, which eliminates the need for logging weights by hand," he says.

"This cuts down on the number of errors and allows us to analyze the weights faster. It also frees the laborers to perform other tasks, like ensuring that the cows are milking correctly."

The computer stores milk weights and data on yield, projects each cow's milk production, and keeps track of her illnesses and reproductive cycle.

The system, which was paid for through a research grant, consists of a computer linked directly to the six milk meters in the parlor. The computer can handle weights from up to 16 milk meters at a time and can maintain records on 500 cows.

Because figures from each milking are recorded, herdsmen can immediately detect a decline in production. This can give them a head start in detecting illness or equipment problems.

Messages or instructions sent from the main computer appear on the screens of the milk meters, thus providing a direct link between the milk parlor and the main office.

"If we see that a cow is not milking properly or if there is a problem with the equipment, we can notify the workers immediately," Moore says.

A computerized system like the one at Clemson can benefit many dairy operations. However, it offers the greatest advantage to commercial operations that are primarily interested in producing milk, he says.

"Such a system, which costs about $18,000, can see a payback in five years with approximately 150 cows," he says.

Dairy science head Dixon Lee, says his department hopes to add a feed monitoring system to the dairy center in the future.

Using his computer, Charles Vinson enters a cow's four-digit code into a computer at Lamaster Dairy Center. The computerized milking system automatically records and stores milk weights from up to 500 cows.

Sign up for YMCA soccer

Registration for spring soccer is being held at the Clemson YMCA for first and second graders (beginners) and those younger than 10, 12 and 14 respectively.

Soccer begins the week of Feb. 15. Register at Holtzendorff YMCA Center or call 656-2460 for more information.

Summer day camp jobs available at YMCA

The Clemson YMCA has several positions available for Summer Day Camp.

Applications will be accepted through March 25 at Holtzendorff YMCA Center. For information call the YMCA at 656-2460.

Safety Corner

by Tommy Tucker, University Fire Marshal

Q: After evacuating a building during a fire alarm, when may I return?

A: Only when told to do so by fire department personnel.

Many of us at the University have grown accustomed to returning inside the building as soon as the alarm horns are silenced.

Just because the alarms stop doesn't mean it's safe to return inside. The alarm horns are silenced to protect the fire alarm system and to lower the noise levels while fire department personnel make a thorough inspection of the building.

Never assume your building is safe simply because the alarms have stopped. Return only when you get the official word.

During February the Nursing Center is offering cholesterol testing for $5.

For more information or to find out how to send this as a special, healthful Valentine's Day gift, call Lynn Lesley at 656-5520.

Poultry science department head Bruce Glick (right) demonstrates his department's recently acquired high-speed centrifuge to Sen. Bill Doar of Georgetown (left) and Georgetown County Extension Director Frank Fitzsimmons.

Equipment such as the centrifuge will allow Clemson scientists to conduct in-depth studies of the poultry immune system.

Engineers to speak in seminar series

The mechanical engineering department will sponsor several lectures this month as part of its spring seminar series.

All lectures will be held at 2:30 p.m. in Room 300 Riggs Hall.

For more information, call Professor James Brasseur at 656-5639.

The schedule is as follows:

Feb. 10
William M. Banks
department of mechanics and materials,
University of Strathclyde in Glasglow, Scotland
"The Design of Composite Pressure Vessels and Piping with Particular Reference to Support Conditions"

Feb. 26
Denise Hambrick
Pratt and Whitney
Hartford, Connecticut
"Age Forming Technology Expanded in an Autoclave"

March 4
Sherrill Biggers
Lockheed-Georgia
Marietta, Georgia
"Getting the Most Out of Advanced Composites: Concepts, Analysis, Design, and Testing"

March 25
Masayoshi Tomizuka
department of mechanical engineering
Univ. of California at Berkeley
"Digital Tracking Controllers and Their Applications to Mechanical Systems"

Initial biotechnology results compiled

In the first public update on the University's ongoing biotechnology project with Monsanto Co., scientists and administrators from both organizations briefed state legislators last week on the results of field testing a genetically engineered organism at Clemson's Edisto Research and Education Center near Blackville.

Clemson scientists began field testing the organism three months ago. In the test, rows of wheat inoculated with the engineered bacterium were planted adjacent to rows of non-inoculated wheat.

"First-round results from the field test are even more positive than we expected," said microbiologist Ellis Kline, a principal investigator in the project.

"The organism grew well and movement was even more restricted than we anticipated. The organism was confined to the root systems of the inoculated plants, and has not crossed over to roots of non-inoculated plants."

(From left to right) Plant pathologist Dan Kluepfel, microbiologist Tom Hughes, agronomist Horace Skipper, microbiologist Ellis Kline and agronomist DeWitt Gooden (not pictured) are key scientists in the field test

James Fischer, dean and director of the S.C. Agricultural Experiment Station, and Benton Box, dean of the College of Forest and Recreation Resources and head of Clemson's Biotech Initiative, briefed the legislators on Clemson's Biotechnology Applications Program.

The program includes interdisciplinary teams of scientists conducting research in areas such as biodegradation of hazardous wastes and chemicals, biological control of pests, plant regeneration, waste recycling, food processing and animal biotechnology.

"Two years from now, the annual market value of biotechnology products is projected at $2 billion," Fischer said. "By the year 2000, we're looking at a $15 billion-100 billion industry.

"Biotechnology firms are now located near land-grant universities that are doing much of the current basic research in this field. These firms could come to South Carolina, bringing with them some of that $100 billion in projected product market value."

Land-grant schools to lead biotechnology research

With their own research facilities and the technology-transfer mechanism provided by the Cooperative Extension Service, U.S. land-grant colleges are uniquely positioned to lead the next phase of biotechnology research, President Max Lennon said at the AgBIOTECH 88 international conference.

Clemson researchers (left) field test a genetically engineered organism at the Edisto Research and Education Center near Blackville.

Speaking at the three-day conference in Washington, D.C. Jan. 27, Lennon told an audience of scientists, corporate leaders and public-interest groups that a landmark field test of a genetically engineered organism now under way at Clemson will establish the testing protocols to take genetic engineering from the laboratory to the marketplace.

"The word 'landmark' is not too strong, because that experiment will help move ahead dozens of promising new products in agriculture, medicine and biological sciences," Lennon said.

"The bacterium is not a pathogen; neither is it a product. It is simply an organism that will do one critical thing — show us the fate of genetically engineered materials."

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

New tobacco specialist chosen

DeWitt T. Gooden III is the Clemson Extension Service's new tobacco specialist.

DeWitt Gooden, the new tobacco specialist at the Pee Dee Research and Education Center in Florence

The veteran agronomist will be based at the Pee Dee Research & Education Center near Florence after serving as peanut and small grain specialist at the Edisto Center near Blackville.

Gooden replaces Ben Kittrell who was selected as resident director of the Pee Dee Center last year.

A native of Elizabethtown, N.C., Gooden received his agronomy education at North Carolina State University, earning bachelor's and master's degrees and a doctorate in soil and crop science.

"DeWitt has been assisting growers in peanuts and small grains since joining Clemson in 1979," says Ralph Franklin, head of the agronomy and soils department.

"He is well-founded in tobacco, having been an Extension tobacco specialist in Georgia and an international tobacco agronomist with Philip Morris USA.

"We've got a good man helping to look out for South Carolina's top cash crop."

Sen. Tom Smith of Pamplico (right) examines the Harbour Dwarf Nandina in the horticultural therapy section of Clemson's 208-acre botanical garden.

Ornamental and turf research was one of several research areas Smith was briefed on during a recent visit to campus.

Shown with Smith are Ben Kittrell (left) resident director of the Pee Dee Research and Education Center in Florence, and Dan Lineberger, head of the horticulture department.

Educator to speak

"Faculty Involvement in University Governance" is the topic of a Feb. 25 lecture by Gerrie Bledsoe, higher education coordinator for the National Education Association.

Sponsored by the Faculty Senate, the 3:30 p.m. lecture will be held in Lee Hall Auditorium.

All faculty and other interested individuals are invited to attend.

For more information, call Professor Francis McGuire at 656-2183 or Professor Bill Barron at 656-3313.

Lennon to deliver keynote address at biotech conference

President Max Lennon will deliver the keynote address at a regional conference on biotechnology sponsored by the U.S. Department of Agriculture.

The conference, which will be held in Raleigh Feb. 22-24, is primarily designed for journalists and Extension Service personnel responsible for disseminating information on biotechnology to the public.

Four regional conferences are being held as a followup to the National Agricultural Biotechnology Challenge Forum held in Washington, D.C., last year. Lennon is the only university president chosen to participate in the conferences.

He is scheduled to speak on "Research and Extension: Working Together to Bring Biotechnology to the People."

Briefly

Goree honored as Distinguished Fellow

Mechanical engineering Professor James G. Goree has been selected as a 150th Anniversary Distinguished Engineering Fellow of the University of Alabama's College of Engineering.

Fellows are chosen from University of Alabama alumni who have brought honor upon their alma mater through their accomplishments and support.

Goree will be presented a plaque during Honors Day activities at Alabama on April 14.

Black exhibit on display

An exhibit featuring blacks in science will be on display in Cooper Library through March.

"Distinguished Black Americans" is sponsored by the Library, the chemistry department and the Black Awareness Committee and is available for viewing during regular Library hours.

Philosophy address to be held next week

On Feb. 24, Professor Donald Verene of the philosophy department at Emory University will speak on "Vico and Joyce: the Philosophical Background of Finnegan's Wake" at 3:30 p.m. in Room 200 Hardin Hall.

His talk is sponsored by the philosophy and religion department.

Engineer to lecture

The mechanical engineering department is sponsoring a lecture Feb. 26 as part of its spring seminar series.

Denise Hambrick of Pratt and Whitney, Hartford, Conn., speaks on "Age Forming Technology Expanded in an Autoclave" at 2:30 p.m. in Room 300 Riggs Hall.

For information, call Professor James Brasseur at 656-5639.

Jennett appointed to state advisory committee

Engineering Dean J. Charles Jennett has been appointed to the Advisory Committee of the S. C. Chemical Emergency Response Commission.

The Committee, an aspect of Comprehensive Emergency Management, provides guidance and advice to the Commission to make South Carolina a safer environment for the citizens, visitors and industries.

Look for panel discussion today in Strode

The Clemson Chapter of the American Association of University Professors will have a panel discussion today on "Teaching: The Second Oldest Profession" at 4 p.m. in 108 Strode Tower.

For more information, call Cindy Belcher at 656-5482.

Kennedy to speak

Robert A. Kennedy, program director of the metabolic biology program at the National Science Foundation in Washington, D.C., will speak on "Funding Opportunities and New Programs in the Biological and Agricultural Sciences" Feb. 24 in Room F-149 of Poole Agricultural Center at 3 p.m.

The program is being jointly sponsored by the Agricultural Experiment Station and the department of biological sciences. For information, call the Office of University Research at 656-2375.

Food seminar is March 3

If you need facts for speeches, papers or research, try the Cooper Library's Public Documents collection. For an introduction to Federal government publications and how to find them, the following sessions will be offered in the Library's level 3 classroom:

Monday, Feb. 22, 11:15 a.m.
Tuesday, Feb. 23, 7 p.m.
Wednesday, Feb. 24, 2:30 p.m.

For more information, call Priscilla Wentworth or Peggy Cover at 656-3024.

Burtner Award nominations open

Nominations are open for the $500 Frank A. Burtner Award for excellence in advising students.

Nominations are due Feb. 19 in the Student Development Office.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Feb. 19 for March 2 issue.**

Nurse selected as senator's adviser

A nursing faculty member who recently was appointed president of the S.C. nursing board also has been selected by Sen. Daniel Inouye, D-Hawaii, to help him research health and nursing issues and develop related public policy.

Jeri Milstead, assistant professor of nursing, will work with the senator from April through June as a specially appointed fellow to Inouye's office.

Faculty members from various institutions nationwide are regularly appointed by U.S. senators and congressmen to work with them and offer insight into issues from their respective fields of expertise.

"Mrs. Milstead will be handling a wide range of health issues and will be helping the senator develop policy as it relates to health and nursing issues and appropriations," says Patrick Deleon, administrative assistant for Inouye.

Milstead, who will serve a four-year term on the S.C. nursing board, is a registered nurse specializing in adult health and public policy.

Citrus sale continues

The final Clemson YMCA Winter Fresh Citrus Sale of the year will continue through Feb. 29.

The fruit will arrive for pick-up on Friday, March 4, at the YMCA Recreation Area. You can order Temple oranges, and pink or white grapefruit.

For more information or to place an order, call 656-2460.

Willie Green was chosen as December's Custodian of the Month.

She receives her award from Director of Resident Services Greg Padgett during a short ceremony held last month.

Green, who has been with the Housing Office since 1979, received the award for her attentiveness to duty, attitude and quality of work.

Nutt endowment to provide first graduate fellowship to agricultural engineering

Five years after the establishment of the George B. Nutt Endowment, graduate students in agricultural engineering are about to see the fruits of the investment.

"The endowment, now totaling some $110,000, will provide a $5,000 graduate fellowship this fall to a superior student in agricultural engineering," says department head Richard Hegg.

The endowment was established in 1983 by the S.C. chapter of the American Society of Agricultural Engineers and the agricultural engineering department to honor the contributions of George Nutt, the first head of the department and a professor from the early 1930s to 1955.

Initially, an investment of $10,000 was made toward the endowment. In the years since, additional gifts to the endowment and interest income increased the fund to a value exceeding $100,000.

The endowment was set up with an intended goal of $100,000 before fellowships could be awarded, since fellowships will be financed by the interest income.

"We will continue to seek more contributions to the fund with a long-term goal of $1 million," says Hegg.

The fellowship stipends will be awarded on the basis of scholarship and potential for excellence in research, Hegg says.

Phi Kappa Phi meets today at 3 p.m. in the Library

Business and Finance releases building projects update

The Division of Business and Finance has released an update on the status of several University building and renovation projects, including the Strom Thurmond Institute and the Performing Arts Center.

In brief, they are:

• **Engineering Innovation Center ($15 million)**

The Budget and Control Board has tentatively recommended that the state bond bill include $750,000 to fund architectural and engineering work for this academic and research facility.

• **Central Animal Facility ($8.4 million)**

The Budget and Control Board also has tentatively recommended $700,000 to fund architectural and engineering and site work for the University's top Public Service Activity priority. A fund raising drive is under way to raise $3 million in private donations for the facility.

• **Strom Thurmond Institute Building ($6.5 million)**

The contractor was given notice to proceed Dec. 2, and foundation work has begun with the construction of a stone drainage mat.

The contractor hopes for a completion date by this November, although the contract sets the completion date at Dec. 21, 1989.

• **Continuing Education Facility ($13 million)**

The Joint Bond Review Committee has approved $600,000 for initial architectural and engineering work. A major portion of the project will be underwritten with private capital for the motel and food service components.

• **Performing Arts Facility ($10 million)**

The Joint Bond Review Committee also approved $600,000 for architectural and engineering work for this project, which will involve a national design competition.

A professional adviser to organize the competition will be selected by June 30, 1988.

• **Waste Treatment Plant Improvements ($3 million)**

Three additional raw sewage pumps have been installed.

Completion is scheduled for May, with full operation by June 30, 1988.

• **Barnett Hall asbestos removal ($1 million)**

The Board of Trustees has accepted a bid of $685,054 from CNH Construction Co. Removal already has begun, and completion is expected by the beginning of fall semester.

• **Brackett Hall renovation ($10 million)**

The Budget and Control Board has tentatively recommended that the state bond bill include $5,125,000 for this project.

• **Lever Hall asbestos removal ($1.5 million)**

The Joint Bond Review Committee has approved the use of low-interest facilities loans from the U.S. Department of Education for asbestos removal. The University plans to remove asbestos that is friable from Lever during the summer of 1989.

• **Mauldin Hall ($685,000)**

The Joint Bond Review Committee has approved using athletic operating funds and housing improvement funds to add six shower rooms, remove asbestos and complete other repairs to Mauldin Hall. The University hopes to complete the work this summer.

• **Lehotsky Hall ground floor renovation ($1.1 million)**

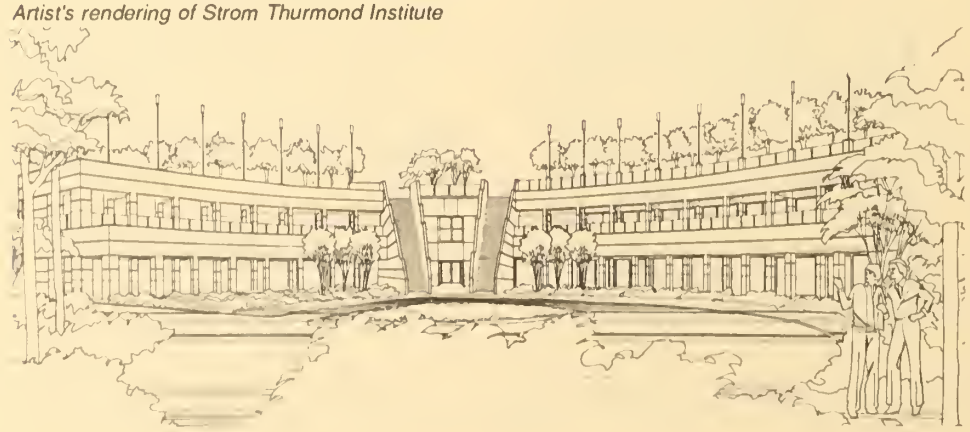
The architectural firm has met with the building committee to confirm aspects of the building statement.

• **Show and Sale Arena ($4.4 million)**

A contract has been signed with McKay, Zorn and Associates.

Development of the project

Artist's rendering of Strom Thurmond Institute



schedule is under way, with completion expected by late fall, 1990.

• **Computer Operations Center at Clemson Research Park ($5.6 million)**

The building is now occupied, and punch list construction continues as needed.

• **Permanent Soccer Stands ($1 million)**

Project is complete.

• **Varsity Tennis Shelter ($1 million)**

Two additional courts have been added for construction.

Completion is scheduled for mid-March.

• **Security Retail Building renovation ($1 million)**

Bids are in, and completion is scheduled for July.

• **Johnstone Hall renovation ($9 million)**

Phase 1 (of 4) calls for the renovation of B- and C-sections (234 rooms).

Architects are being interviewed to design the renovations.

• **Research Building at Clemson Research Park ($4 million-5 million)**

Clemson has submitted this project to the Commission on Higher Education for review and approval.

The proposed structure will be located next to the Computer Operations Center and will consist of laboratories and office space.

• **Clemson University Research Foundation Pendleton property development**

Clemson University Research Foundation plans to purchase 33 acres in Pendleton for $870,000.

Clemson will lease the space from CURF, although the title will remain with the foundation.

Transaction needs approval by Commission on Higher Education, the Joint Bond Review Committee and the Budget and Control Board.

• **Other PSA projects**

The Budget and Control Board has tentatively recommended that the state bond bill include funding for the following projects:

— Fruit Research Station replacement ($1.5 million)
— Swine farrowing facilities ($350,000)
— Vegetable research suport facilities ($500,000)
— Newman Hall renovations ($800,000)
— Edisto Center laboratory building — architecture and and engineering work ($240,000)

Johnstone Hall

Classified Information

Q: Many states currently provide some form of compensation for unused sick leave at the time of retirement. Is South Carolina planning to offer this benefit?

A: Benefits of this type must have approval of the S.C. General Assembly.

To date, the Assembly has not been able to make this revision, nor have funds been available to budget for this type of benefit.

Providing this benefit, however, has been proposed by the S.C. State Employees Association to the General Assembly for its consideration.

University Research Grant Committee awards funding to 22

The University Research Grant Committee has awarded grants this year to the following:

1. **Richard M. Golden**
History
$290
Transatlantic Encounter: Louis-Marie de Noailles, the French Revolution, and the United States

2. **Lawrence E. Estaville, Jr.**
History
$1,700
Diffusion of Technological Innovation in Cajun Louisiana

3. **Simon W. Scott**
Plant Pathology and Physiology
$1,800
Production of Monoclonal Antibodies to Prune Dwarf Virus

4. **Leonard J. Greenspoon**
Philosophy and Religion
$875
Jews in Upstate South Carolina: A History

5. **Calvin L. Williams**
Mathematical Sciences
$1,800
Representing Characteristics of Experimental Designs via Stereotypical Frames for Expert System Development

6. **Francis A. McGuire**
Parks, Recreation and Tourism Management
$1,150
The Effect of Videotaping on Learning by the Mentally Retarded

7. **John W. Lawson**
Microbiology
$2,000
Effects of Dimethylglycine on Metastasis of Melanoma Cells in Mice

8. **Robert A. Haywood**
Plant Pathology and Physiology
$2,000
Characterization of Panicum Mosaic Virus on Centipede and St. Augustine Grass in South Carolina

9. **Douglas K. Sturkie, III**
Sociology
$1,922
Theoretical and Technical Approaches in Family Therapy: A Ten Year Follow-up of Mental Health Professionals

10. **Dennis R. Decoteau**
Horticulture
$1,800
Development of a Gene Transfer System for Crop Improvement of Cucumber

11. **Muriel B. Bishop**
Chemistry
$1,800
Properties of Bimetallic Clusters

12. **Gloria S. McCutcheon**
Entomology, Edisto Research and Education Center
$2,000
Interactions of Two Beneficial Organisms: The Parasitoid, Cotesia Marginiventris and the Fungus, Nomuraea Rileyi as Biotic Control Agents of Insect Pests

13. **Barry P. Goettl**
Psychology
$1,135
Predicting the Performance of Schoolbus Drivers

14. **Jon D. Weinstein**
Biological Sciences
$1,860
Formation of Magnesium Containing Precursors in Chlorophyll Biosynthesis

15. **James A. Stockham**
Visual Arts
$2,000
The Optical Characteristics of Thermoforming and Thermosetting Plastics

16. **R. Kenneth Marcus**
Chemistry
$1,250
Development of a New Method of Elemental Analysis

17. **Richard H. Hilderman, James M. Colacino**
Biological Sciences
$ 2,000
The Role of Ap4A as a Modulator of Oxygen Binding to Hemoglobin

18. **Kevin J. Farley**
Environmental Systems Engineering
$ 2,000
Migration of Hydrocarbons and Associated Trace Contaminants in Groundwater

19. **David Tipper**
Electrical and Computer Engineering
$1,882
Study of the Transient Behavior of Data Communication Networks by Computer Simulation

20. **A.A. Ogale**
Chemical Engineering
$1,945
Time-Dependent Properties of Specialty Plastics

21. **Eugene H. Bishop**
Mechanical Engineering
$2,000
Heat Transfer in Pressure-Casting of Aluminum Composites Using Porous Preforms

22. **John E. Fairey, III**
Biological Sciences
$1,985
Annotation of Botanical Specimens in Support of the Atlas of the Flora of South Carolina Project

Clemson to host prestigious Southern Circuit film series

Clemson has been selected as one of only six sites in the Southeast to host the 1988 Southern Circuit, a series of independent films shown and discussed by their makers.

This will be the first time the series has been shown in upstate South Carolina. In previous years the series has been shown in Columbia and Charleston.

The Southern Circuit is a program of the S.C. Arts Commission Media Center, the National Endowment for the Arts, the Southern Arts Federation and local sponsors, including Clemson University's College of Architecture and English department.

In addition to Clemson, the film series will be shown in Atlanta, Raleigh, N.C., Louisville, Ky., Whitesburg, Ky., and St. Louis.

The first film to be shown in Clemson will be "Small Happiness: Women of a Chinese Village," Monday, Feb. 29, at 8 p.m. in the Holtzendorff YMCA Center theater.

Produced by filmmakers Richard Gordon and Carma Hinton, "Small Happiness" is an intimate dialogue with rural Chinese women who talk openly about courtship, marriage, birth control, childbearing, work and feudal foot-binding. Richard Gordon will discuss the film with the audience.

Monday, April 11, the series will feature Brazilian Suzana Amara's "Hour of the Star," the story of an uneducated 19-year-old woman from rural northern Brazil who moves to Sao Paulo.

Her story combines realism and fantasy and is an adaptation from a novella by Clarice Lispector, called the "James Joyce of Brazil." Film critic Andrew Sarris named this one of the 10 best films of 1987.

The remaining films in the series will be shown during the fall semester:

Sept. 12: "Other Prisoners" is Stephen Roszell's video about prison life through the eyes of the guards and the inmates. It is a revealing, human, often humorous look at the thin line that separates the incarcerated from those on the outside.

Oct. 10: "Ganapati/A Spirit in the Bush," by Daniel Reeves, is a video that transcends the medium in its expression of the primal bond between humans and animals.

Oct. 24: "Are We Winning, Mommy? America and the Cold War," by Barbara Margolis, is a powerful look at the origins and consequences of Soviet/U.S. relations since World War II.

Nov. 14: "Voices" and "The Rubber Stamp Film," are two award-winning animated films by Joanna Priestly.

Southern Circuit films are open to the public at no charge. For further information, contact Carol Ward at 656-5415.

Players perform controversial satire

The Clemson Players will perform the ancient Greek comedy "Lysistrata" Feb. 23-27 in Daniel Hall Auditorium.

Written by Aristophanes, "Lysistrata" is a satirical comedy in which the women of Greece use their most powerful weapon -- sex -- to get their husbands and lovers to end a war.

The play, directed by drama Professor Tony Evans, features a cast of nearly 40, one of the largest ever assembled for a Clemson Players production.

Evans notes that there is no nudity in the play, and in addition, the Players are doing more than just learning the lines of this play. To give them a cultural and historical perspective, Evans has arranged for a graduate student from Greece to lecture on Greek history and culture.

"This should be more than 'doing a play' for the students," Evans says. "They are in a university environment to learn, not just to act."

Freshman English classes also are reading "Lysistrata," and a nationally known authority on the subject of women in drama, Lucy Friebert of the University of Louisville, will be giving public lectures prior to the play's performance.

Performances are at 8 p.m., with an additional 3:30 p.m. performance on Thursday, Feb. 25. Cost is $4 for the public and $2 for faculty and staff. Students are admitted free.

Tickets will be available by telephone reservation beginning Feb. 12. To reserve seats, call 656-2476.

"'Lysistrata' has been controversial for its entire 2,300-year existence," he says. "It is not a play for children, and we want even adults to know that it does contain language and situations that may make some people uncomfortable. But it is worthy of our attention."

"'Lysistrata' is not about sex," he adds. "It's about war."

Tony Evans

February

8-29
Philip Mullen: A Retrospective Exhibition. Sponsored by College of Architecture (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, Rudolph E. Lee Gallery, Lee Hall.

17
Film: "The Deer Hunter" Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

18-20
Film: "Full Metal Jacket" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

19
Clemson University Jazz Ensemble. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

21
Film: "The Road Warrior" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

21
Concert: "Gospel Explosion," by Clemson University Gospel Choir. Sponsored by Black Awareness Committee (656-2153), 3 p.m., Tillman Hall Auditorium, free.

22
Lecture: "Tadao Ando," by Kenneth Frampton. Sponsored by College of Architecture (656-3081), 8 p.m., William G. Lyles Auditorium, Lee Hall, free.

23-27
Clemson Players' Production: "Lysistrata," directed by Tony Evans. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium (matinee Feb 25, 3:30 p.m.), $4 public, $2 faculty/staff, students free.

25-27
Film: "Robocop" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

28
Film: "Pee Wee's Big Adventure" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

29
Preliminary grades due.

29
Lecture: "Bar Harbor to Key West," by John Margolies, architect. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, Lee Hall, free.

March

1
Concert: Lillian and Robert Utsey Chamber Music Series: Ellen Lang, soprano. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium, free.

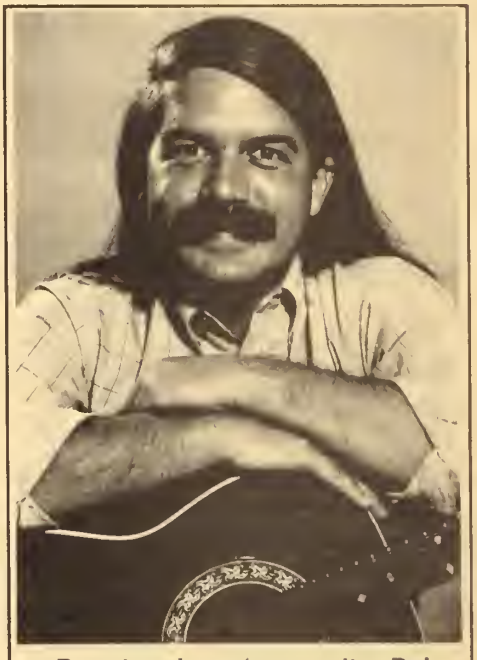
2
Movie: "A Great Wall" Sponsored by University Union (656-2461), 7:30 p.m., 200 Hardin Hall, free.

2-30
Short Course: Beginning Calligraphy. Sponsored by University Union (656-2461), Wednesdays, 6-8 p.m., $16.

3
History Day: Various events, 8 a.m.- 2:30 p.m., Tillman and Hardin Halls. Sponsored by history department (656-3153).

3-4
Short Course: Ballroom Dancing. Sponsored by University Union (656-2461), 8-9 p.m., $10.

3-4
Short Course: Beginning Shagging. (656-2461).



Popular singer/songwriter Del Suggs comes to Edgar's this Friday at 9 p.m.

His music compared to the likes of Jimmy Buffett, James Taylor and Paul Simon, the Florida guitarist tours extensively on the college circuit.

For information, call the University Union Info Desk at 656-2461.

Clemson WEEKLY

Vol. 27, No. 23 Feb. 24, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Clemson Medallion to be awarded April 8 to former professor, Board of Trustees chairman

The University will award its highest public honor April 8 to Professor Emeritus George H. Aull and Board of Trustees Chairman Louis P. Batson Jr.

During a public dinner and awards ceremony, the two will be presented The Clemson Medallion in recognition of their long and sustained commitment and significant service to Clemson.

Aull earned a bachelor's degree from Clemson in 1919, a master's at the University of Virginia in 1928 and a doctorate at the University of Wisconsin in 1937.

He was head of the agricultural economics and rural sociology department here from 1934 until his retirement in 1963. During that time, he was a leader in establishing the graduate school and in obtaining the 30,000 acres now within the Clemson Forest.

George H. Aull

In 1984, a portion of the forest was certified as a Heritage Site and designated "The George Hubert Aull Natural Area."

Aull was one of the first South-

The Clemson Medallion – Clemson's highest public honor

erners to be elected president of the American Agricultural Economics Association and recently received that organization's Lifetime Outstanding Membership Award.

He was an early advocate of rural development and the application of research and public service programs to the problems of rural poverty.

Through work with the U.S. Department of Agriculture, the Federal Reserve Board and other state, regional and national groups, he helped establish the economic accounting system for measuring the gross national product and helped design such agricultural policy initiatives as the Soil Bank.

Life Trustee Louis Batson earned a Clemson bachelor's degree in textiles in 1948.

He is chairman of the Louis P. Batson Co. and its three affiliates, which manufacture and distribute industrial machinery, equipment, supplies and services.

He has been a Clemson Trustee since 1979, Board chairman since 1985 and a Life Trustee since last summer, when the late Robert Coker resigned his seat.

Batson's Clemson honors include the Alumni Distinguished Service Award and membership in the The Founders major gift club.

He also has been active with the Greenville Chamber of Commerce and St. Francis Hospital Community Development Council.

Louis P. Batson Jr.

Tickets to the April 8 Medallion Awards Dinner are available, at $25 each, from the Clemson Alumni Association, Clemson, S.C. 29634. Checks should be made payable to "Medallion Dinner" and may be sent through interoffice mail to the Alumni Center.

The ticket deadline is April 1.

Briefly

AIDS forum to be held March 1

Richard P. Keeling, a collegiate education expert on AIDS who has visited more than 75 campuses across the United States, comes to Clemson March 1 and 2 for a series of lectures on AIDS issues.

He will discuss "Taking AIDS Seriously" in a public forum at 8 p.m. March 1 in Tillman Auditorium.

Keeling, director of the University of Virginia's student health department, is president-elect of the American College Health Association (ACHA) and chairman of the ACHA AIDS Task Force.

Keeling's visit is sponsored by the University's AIDS Task Force. For more information, contact Jeff Martin, director of residential services, at the Clemson House at 656-4405.

Gear up for Daytona this Thursday, Friday

Although most of us usually don't drive as if we were in the Daytona 500, faculty and staff will have the chance to find out firsthand Thursday and Friday when the Clemson University Alcohol Education Program and Student Government sponsor the National Collegiate Driving Championships.

Anytime between 10 a.m. and 5 p.m, participants can drive a Daytona Shelby Z through a competition rally course in the parking lot behind the west stand of the stadium. The laps will be timed electronically, and the winner will receive an all-expense paid trip to Daytona Beach, Fla., to compete in the National Grand Finals.

There is no cost.

Although anyone age 18 or older can drive, only a full-time undergraduate student can win the trip. However, the U.S. Olympic team wins, too, because Dodge will donate $1 per entrant for the University's selected charity, the U.S. Olympic team.

So, if you've always dreamed of being in the driver's seat, now's your chance to help make your dreams, and the dreams of our Olympians, come true.

For more information, call Bonnie Stevens at 656-2153.

McWhorter Award nominations due March 21

The Association of Woman Professionals (AWP) is accepting nominations for its third annual Susan B. McWhorter Outstanding Woman Professional Award, which will be announced April 20.

Nominations should be mailed before March 21 to the Susan B. McWhorter Memorial Committee, AWP, P.O. Box 1133, Clemson, SC 29633.

Nominations should be in letter form and no more than two pages. The nominator's telephone number should be included.

For information, call Teresa Paschal Evans at 646-9343.

Chemist to speak March 3

Mordecai Shelef, manager of the chemistry department research staff for the Ford Motor Company, will speak March 3 on "Opportunities For Chemists and Engineers in the Automobile Industry."

The seminar will be held at 11 a.m. in Earle Hall Auditorium and again at 4:30 p.m. in the Hunter Chemistry Auditorium.

Shelef's visit is sponsored by the College of Sciences and the chemistry department as part of the "Distinguished Chemical Industry Business Seminar Series."

Nominations due April 1 for Provost Research Awards

The University has provided funds for 25 Provost Research Awards valued at $2,000. The University Research Grant Committee is accepting applications, and will make the awards.

The awards stimulate research activities by University faculty. Any faculty member with a tenured/tenure track faculty title, with the exception of 1983-87 awardees (no more than one

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* Is Friday, Feb. 26 for March 9 Issue.**

award may be presented to a given faculty member in any five-year period), may make application for the Awards.

Application forms and instructions are available in the Office of University Research. Applications must be received in that office on or before April 1.

For more information, call the Office of University Research at 656-2375.

Graphic communications to hold open house

The graphic communications department will hold dedication ceremonies and an open house March 3 and 4 for the newly renovated Godfrey Hall, which houses the program and its 200-plus majors.

Both days will feature presentations at 2 p.m., followed by guided tours of the facilty from 3-6 p.m. and a reception from 4-6 p.m.

All faculty, staff and students, and the public are invited to attend.

For information, call 656-3447.

Engineers to speak during spring seminar series

The mechanical engineering department is sponsoring a pair of lectures as part of its spring seminar series.

This Friday, Denise Hambrick of Pratt and Whitney, Hartford, Conn., speaks on "Age Forming Technology Expanded in an Autoclave" at 2:30 p.m. in Room 300 Riggs Hall.

On March 4, Sherrill Biggers of Lockheed-Georgia in Marietta speaks on "Getting the Most Out of Advanced Composites: Concepts, Analysis, Design, and Testing" at 2:30 p.m. in Room 300 Riggs Hall.

For information, call Professor James Brasseur at 656-5639.

Philosophy and religion sponsors spring speakers

The philosophy and religion department is sponsoring the following spring speakers:

Today, Professor Donald Verene of the philosophy department at Emory University speaks on "Vico and Joyce: the Philosophical Background of Finnegan's Wake" at 3:30 p.m. in Room 200 Hardin Hall.

On March 3, Robert Neville of Boston University's department of religion speaks on "Self-Cultivation: The Way of the Sage in Japan" at 3:30 p.m. in Lyles Auditorium.

Kennedy to speak

Robert A. Kennedy, program director of the metabolic biology program at the National Science Foundation in Washington, D.C., will speak on "Funding Opportunities and New Programs in the Biological and Agricultural Sciences" Feb. 24 in Room F-149 of Poole Agricultural Center at 3 p.m.

The program is being jointly sponsored by the Agricultural Experiment Station and the department of biological sciences. For information, call the Office of University Research at 656-2375.

Sign up now for March pre-retirement seminar

A pre-retirement education seminar for employees within 15 years of retirement eligibility will be sponsored March 22-23 by the Personnel Office.

Topics will include retirement and Social Security benefits, financial planning, investments, legal affairs, insurance, and health and leisure.

Employees and their spouses can make reservations on a first-come, first-served basis by calling Francis Holliday at 656-3367.

The next pre-retirement seminar is Nov. 15-16.

Food seminar is March 3

The departments of agricultural engineering and food science will sponsor an agricultural seminar March 3 on "Improving Productivity of Industrial Fermentation Using Membrane Bioreactors."

The 1:30 p.m. seminar will be presented in Room 113 Lehotsky Hall by Professor Munir Cheryan of the food and biochemical engineering department at the University of Illinois.

For more information, call agricultural engineering at 656-3250 or food science at 656-3397.

Faculty Senate sponsors seminar on faculty and University governance

"Faculty Involvement in University Governance" is the topic of a Feb. 25 lecture by Gerrie Bledsoe, higher education coordinator for the National Education Association.

Sponsored by the Faculty Senate, the 3:30 p.m. lecture will be held in Lee Hall Auditorium.

All faculty and other interested individuals are invited to attend.

For more information, call Professor Francis McGuire at 656-2183 or Professor Bill Barron at 656-3313.

Library exhibit features blacks in science

An exhibit featuring blacks in science will be on display in Cooper Library through March.

"Distinguished Black Americans" is sponsored by the Library, the chemistry department and the Black Awareness Committee and is available for viewing during regular Library hours.

Staff Commission recommends changes

At its February meeting, the Commission on Classified Staff Affairs heard an update on Clemson's upcoming Centennial Celebration and forwarded several recommendations to the President's Cabinet.

Vice Provost Jerry Reel outlined the plan for the 20-month celebration which officially begins April 6, the 100th anniversary of founder Thomas Green Clemson's death.

Reel indicated that the celebration would focus on four areas over the four semesters:

Phase 1 — *the University and the Arts*

Phase 2 — *the University and the Sciences*

Phase 3 — *the University and Economics*

Phase 4 — *the University and Politics.*

Each phase, said Reel, offers major lectures, special events and the publication of a book related to Clemson history.

The Centennial will culminate during three peak times, he said. They are:

Spring 1988 — the official opening with flag-raising ceremonies.

Spring 1989 — the major public focus of the Centennial featuring "Cornerstone Weekend," a campus-wide exposition leading up to the replacement of the time capsule in Tillman Hall.

November 1989 — the commemoration of the official birth of The Clemson Agricultural College of South Carolina.

In other business, the Commission recommended the following to the President's Cabinet:

- that persons requesting reclassification should be informed as the request moves through each level of approval.
- that supervisors allow brief time off or attempt to make schedule changes for employees participating in the Wellness Challenge.

The situation arose when several employees said their supervisors would not allow them the approximate 30 minutes needed to undergo the program's initial health screenings. They were informed that to participate they would have to take annual leave for any time spent away from their workstations.

- that implementing the Employee Performance Management System be listed as part of all supervisors job descriptions (as is the Affirmative Action Policy) and that supervisors be evaluated on how well they performed those duties.
- that an eligible incumbent representative on the Commission be allowed to run against nominees from a designated college in elections for the Commission.

Under the recent realignment, the Colleges of Commerce and Industry, Liberal Arts, Forest and Recreation Resources, Nursing and Education would elect an overall representative on a rotating basis.

For example, although members of all five colleges would be eligible to vote, only nominees from the College of Nursing could run for one term. The next term, nominees would come from Liberal Arts, etc.

The Commission's next meeting is March 8 at 10 a.m. in Room 410 of the College of Nursing Building. All interested staff members are invited to attend.

Staff Commission announces nominees

The following have been nominated as representatives to the Staff Commission:
(Note: Other names may appear on the ballots, and write-in candidates will be welcome.)

Agriculture and Natural Resources
H. Gaffney Blalock
Cary Caines
Paula Henderson
Theresa Cleveland
Yvonne Miller

Academic Affairs
Linda Brady
Ruth Taylor

Institutional Advancement
Pete Pepinsky
Janis McWhorter
Bonnie Dixon
Pat Edmunds

Student Affairs
Audrey Bodell
Douglas Mason
Alice Allen
Jerry Jordan
Miriam Wilson
Sandra Smith
Bill Barnes
Gary Campbell
Phil Howard
Verna Howell
Greg Padgett
Ed Singleton
Matt Watkins
Kirk Brague
Raymond Zeigler
Buddy Ireland
Bonnie Stevens
Hazel Lewis
Patty Skelton
Lynn Cook
Mary Jo Craig
Ellen Littleton
Linda Cartee
Jean Holladay
Sarah Nelson
Jane Turbeville
Shirley N. Garrison
Walter Gilliard
Linda Collier
Deborah Davis
Shirley S. Garrison
Mary Brandt
Mary Knox
Mary Ladd
Joan Miller
Annice Cope
Norma Langley
Louie Campbell
Lillian Lappie
Winifred Stiles
Tamara Cranford

Libraries Council helps employees stay in touch

It's not difficult to find out how Library employees feel about campus issues, just ask their representatives — the Clemson University Libraries Classified Staff Council.

"The Council was formed last spring for two reasons," says Joe Boykin, director of the Libraries. "One was to improve our communications within the Libraries and the other, to act as our liaison to the Commission on Classified Staff Affairs. So far, our Council has performed both functions beautifully."

The Council is composed of a representative and an alternate from each of the Libraries' 10 units: reference, cataloging, circulation, library administration, Gunnin Architectural Library, Sirrine Library, public documents, special collections, acquisitions and serials. Each unit nominates and elects its choices by popular vote. Assistant Director Rich Meyer serves as a non-voting, ex-officio member.

Chairperson Ruth Taylor, a library technical assistant, says the past year has been very successful. Some of the areas addressed by the Council's four standing committees include benefits and compensation, communication, staff development and working conditions.

"The Council has not turned into a gripe session by any means," she says.

"It has proven a wonderful forum for expressing ideas and concerns and has really opened up our personal, internal communication. It also has reinforced the Library administration's open door policy to any of its employees."

At the University level, Taylor says the Council is serving as the criteria committee for the Classified Staff Employee of the Year Awards, presented annually to those judged among the very best the University has to offer.

At the Libraries level, the Council recently helped find a solution to a delicate problem. Rather than segregate staff lounges into smoking and non-smoking sections, the Council worked with the Physical Plant to re-ventilate the main break room, allowing all employees the opportunity to share the same area regardless of their preferences.

In addition, the Council helped establish an activities and events committee which recognizes special occasions and coordinates a special needs fund.

The Council also sends representatives to the regular monthly meetings of the Commission on Classified Staff Affairs.

In response to employees having to take annual leave or make up lost time because of the recent snow, the Council has drafted an opinion on the state's hazardous weather policy, which has been submitted to the Commission, as has a draft on University merit raises.

"Our communication with the Libraries Council is vital to our success as the representative body of all Classified Staff," says Pat Padgett, chairperson of the Commission. "This important link to the Libraries has not only let us know how its employees feel about issues of University importance, it has allowed us to draw on the resources of our colleagues which allows us to be better prepared and to make better-informed decisions.

"Now that the Commission has restructured itself to be more in line with vice presidential areas, we hope that this excellent idea will catch on and that other areas will form similar representative bodies."

For information on the Libraries Council, call Ruth Taylor at 656-5174. For information on the Commission on Classified Staff Affairs, call Pat Padgett at 656-3073.

Physics and astronomy prepares for new observatory

Those blinking, twinkling lights in the night sky that have guided sailors and enchanted lovers for centuries are getting special attention from the physics and astronomy department and the Clemson Area Amateur Astronomers.

The two groups recently acquired a 3-acre plot of University property near the Outdoor Laboratory on which to station an astronomical observatory.

"We've got a long way to go," says Amateur Astronomers president Dixon Lomax. "But what we're shooting for is a community observatory where the public can get a good view of objects in space."

Lomax says a fund-raising effort to finance the project is about to get under way.

"In the long run, we're hoping to have a building that will house two telescopes — one for the physics and astronomy department and the other for the Amateur Astronomers," Lomax says.

Freeze grateful for second heart, second chance

Chester Freeze
– since recovering from heart transplant surgery, working out at Fike is now part of his regular routine.

by Tammy Yeargin

The fact that February is Heart Month probably means a little more to Chester Freeze than to most folks.

The long-time Education faculty member is still around today, thanks to the heart transplant he received last August.

Freeze, coordinator of field experiences in the College of Education for the past 20 years, suffered two heart attacks over a period of eight years and underwent several operations, including a double bypass and heart transplant.

"With my heart as weak as it was, I couldn't even sit up in bed," says Freeze. "I went from 160 lbs. to 118 lbs. in just over six weeks."

Freeze had to wait nearly a month and a half until a compatible donor was located. When a 20-year-old youth who had agreed to be an organ donor died, doctors at Emory University Medical School quickly transplanted his heart to Freeze. Ten days later Freeze left the hospital.

"I had to stay in Atlanta for another three weeks so the doctors could make sure my body didn't reject the new heart," says Freeze. "I've been very fortunate because I received a good match."

Freeze is regaining his muscle strength by working out at Fike Recreation Center and participating in the Wellness Challenge offered through the College of Nursing. Everyday he rides the stationary bikes for 15 or 20 minutes and spends the rest of the hour working out on the weight equipment.

Unlike most heart attack victims, Freeze's heart condition is hereditary.

"They told me my only mistake was in choosing the wrong mother," he says.

"The only reason I was able to receive a transplant at age 60 is because my other organs are so healthy," says Freeze. He and his family now exercise regularly and eat foods low in fat and cholesterol.

"My doctor told me that if I had been a smoker there would be no chance that I'd be alive today," he says. "The first heart attack would have probably killed me."

Currently Freeze is a volunteer in the community and tells his story to anyone who's willing to listen. "I encourage qualified young people to donate their organs to give others a chance," says Freeze.

"Sitting at a desk 10-12 hours a day will catch up with you unless you exercise. I participate in the Wellness Challenge and think it is a great way to stay in shape — even if your heart is perfectly healthy," says Freeze.

DAPS Demonstration Days scheduled for March 3, 10 and 24

Administrative Programming Services will present DAPS Demonstration Days March 3, 10 and 24.

The sessions are to designed to demonstrate the wide range of services available from DAPS. Displays will be include ways to search Faculty Senate and Staff Commission minutes electronically, ways to provide a quick list of majors or faculty members for a particular college, and information on other resources such as the Library User Information Service (LUIS) and the Document On-line Retrieval Information System (DORIS).

The March 3 session will be held on the main floor of the Library from 1:30 to 3 p.m. Everyone is invited to attend.

For more information, call DAPS at 656-2353.

Healthy hearts can add years to your life

Here are a few Heart Month facts about heart attacks:

- More than one and a half million people will have heart attacks this year. About 550,000 will die, 350,000 of them before reaching a hospital.
- Heart attack is the leading cause of death in South Carolina, which also has one of the lowest life expectancies in the nation.
- Men are at greater risk than women, until women reach menopause.
- Blacks have a 45 percent greater chance than whites of having high blood pressure, which can contribute to heart attacks and strokes.
- More than 20 percent of all heart attack deaths occur before age 65.
- Contributing factors to heart attacks are obesity, lack of exercise, stress or diabetes.

Smoking

- Smoking and unchecked high blood pressure contribute to most heart attacks. One out of every three adults in South Carolina has high blood pressure but doesn't take medication for the condition.
- Cigarette smokers are at twice the risk as non-smokers.
- A smoker who has a heart attack is more likely to die from it and to die within an hour.
- Once a smoker stops smoking, however, the risk of heart attack decreases rapidly. For people who smoked a pack per day or less, the risk after quitting 10 years later is almost the same as if they had never smoked.

Cholesterol

- Too much cholesterol in the blood can cause atherosclerosis, a buildup of fats on the walls of the arteries. Such buildups clog narrow passageways for blood and can cause heart attack.
- More than half the U.S. population have cholesterol levels above 200, the level at which the risk of heart disease rises sharply.

Signs and symptoms of a heart attack:

1) Uncomfortable pressure, tightness or pain in the center of the chest. If pain lasts two minutes or more seek help immediately .
2) Pain spreading to the shoulders, neck, arms or jaw.
3) Severe pain, dizziness, fainting, sweating, nausea or shortness of breath, not all of which are always present.

(Source: Wellness Program and American Heart Association)

Players perform 'Lysistrata'

Clemson Players performances of the Greek comedy "Lysistrata" will continue through Saturday in Daniel Hall Auditorium.

The play is being directed by drama Professor Tony Evans and features one of the largest casts ever assembled for a Clemson Players production.

"This is not a play for children," says Evans. "We want even adults to know that it does contain language and situations that may make some people uncomfortable."

Performances are at 8 p.m., with an additional 3:30 p.m. performance on Thursday, Feb. 25. Tickets are available by telephone reservation. To reserve seats, call 656-2476.

President Max Lennon undergoes an initial health screening prior to his participation in the University's Wellness Challenge. Here, the Nursing Center's Saranne Schauer checks Lennon's blood pressure.

Multi-university consortium works to improve opportunites at the Savannah River Plant

The University has finalized an agreement to work with The University of South Carolina and the Medical University of South Carolina toward augmenting opportunities at the Savannah River Plant when the E.I. du Pont de Nemours & Co. pulls out in 1989.

The alliance is one the universities had been working on since du Pont announced last year that it would not renew its contract with the Department of Energy after operating the plant for nearly 40 years.

"We've formed this consortium in order to work with the firms who are interested in taking over the contract," says President Max Lennon. "We want to make them aware of what we can do there and help them in any way we can as they go forward in the bidding process."

Lennon says Clemson is interested not only in managing research projects at the plant but in augmenting undergraduate summer employment, educational seminars and a total range of activities that would expand educational opportunities for University students.

"We're looking at the overall benefits to South Carolina," he says. "This is not simply an effort to strengthen Clemson, but an effort to strengthen educational opportunities for students throughout the state."

In the meantime, several dozen firms are manuevering for the $1.3 billion contract to operate the plant, a nuclear defense and research facility located on 300 square miles near Aiken.

Through the consortium, the three universities will seek to play a more active role at the plant in areas of mutual interest, says Jay Gogue, associate director of the Office of University Research.

"Clemson has had ongoing projects at the laboratories for years," he says. "This is simply a natural step for us. Our people have been working in diverse areas of research there for a long time.

"Annually, we conduct from $500,000 to $1 million worth of research there," he says.

Most of that research is conducted by faculty from the Colleges of Engineering and Sciences, Gogue says.

Current Clemson research at the lab includes projects on hazardous toxic waste management for nuclear and non-nuclear waste, heat transfer, fluid mechanics, instrumentation development and implementation, environmental impact studies, computation, risk and safety analysis, glass preparation and ecological analysis of natural systems.

Best known among Clemson research activities at Savannah River Laboratories are Clemson's robotics projects, featuring CURBi, the nation's first dynamic biped walking robot.

About a dozen faculty members are working on projects at Savannah River, says Gogue. Some 150 Clemson graduates are employed at the plant, he adds.

Gogue says it could take up to six months for the Department of Energy to review all bids, then award the final contract.

February

25-27
Film: "Robocop" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

28
Film: "Pee Wee's Big Adventure" Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

29
Preliminary grades due.

29
Lecture: "Bar Harbor to Key West," by John Margolies, architect. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, Lee Hall, free.

March

1
Concert: Lillian and Robert Utsey Chamber Music Series: Ellen Lang, soprano. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium, free.

1
Movie: "A Great Wall" 7:30 p.m., 200 Hardin Hall, free.

Clemson

EVENTS

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

March

2-30

Short Course: Beginning Calligraphy. Sponsored by University Union (656-2461), Wednesdays, 6-8 p.m., $16.

3

DAPS Demonstration: Review of Clemson computer resources. Sponsored by Division of Computing and Information Technology (656-2353), 1:30 p.m., main floor, Cooper Library.

History Day: Various events, 8 a.m.- 2:30 p.m., Tillman and Hardin Halls. Sponsored by history department (656-3153).

3-4

Short Course: Ballroom Dancing. Sponsored by University Union (656-2461), 8-9 p.m., $10.

Short Course: Beginning Shagging. Sponsored by University Union (656-2461), 6-7 p.m., $10.

Shagging. Sponsored by University Union (656-2461), 7-8 p.m., $10.

Concert: Clemson University After Six Singers. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

3-5

Film: "Dragnet." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

5

Lecture/Workshop: "The World of Black Singles: Changing Patterns of Male and Female Relations," with Robert Staples, associate professor of sociology, University of California at San Francisco. Sponsored by Black Awareness Committee and Delta Sigma Theta Sorority (656-2153), 11 a.m.-2 p.m., Tillman Hall Auditorium, free.

6

Film: "Young Frankenstein." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

7

Lecture: "Recent Works," by Takefumi Aida. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, Lee Hall, free.

Film: "Seagull." Sponsored by languages department (656-3393), 7:30 p.m., Room 313 Daniel Hall, free.

Film: "Psycho." Sponsored by University Union (656-2461), 7 p.m., Y-Theater, $1.

7-25

MFA Thesis Exhibition. Sponsored by College of Architecture (656-3081), Lee Hall.

8

Film: "Jade Love." Sponsored by University Union and Chinese Student Association (656-2461), 7 p.m., Y-Theater, free.

Dorothy Lambert Whisnant Lecture: "Defining Feminism: A Comparative Historical Perspective" by historian Karen Offen. Sponsored by College of Liberal Arts and history department, 8 p.m., Lee Hall Auditorium, free, reception follows.

9

Clemson University Symphonic Band. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

Meeting: Women in Higher Education Network, with Kerry Strong, records analyst, Cooper Library, noon-1 p.m., Golden Corral restaurant (656-4990).

Short Course: Beginning Bartending. Sponsored by University Union (656-2461), 7-9 p.m., $7.50.

10

DAPS Demonstration: Review of Clemson computer resources. Sponsored by Division of Computing and Information Technology (656-2353), 1:30 p.m., Ravenel Center.

11

Last day to withdraw from class

or the University without final grades.

14-18

Spring Break (University closed March 17 and 18).

20

Film: "Chitty Chitty Bang Bang." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

21

Film: "The Birds." Sponsored by University Union (656-2461), 7 p.m., Y-Theater, $1.

22

Performing Artist Series: Dallas Brass. Sponsored by University Union (656-2461), 8 p.m., Tillman Hall Auditorium, $7 public, $5 students/senior citizens.

23

Lecture: "The Responsibilities of Leadership" by U.S. Judge Donald Russell. Sponsored by history department (656-5363), 3:30 p.m., Hardin Hall Auditorium.

24

DAPS Demonstration: Review of Clemson computer resources. Sponsored by Division of Computing and Information Technology (656-2353), 1:30 p.m.,Poole Computer Center lobby.

Concert: Kenny Rogers with the Forester Sisters. Sponsored by University Union (656-2461), 7:30 p.m., Littlejohn Coliseum, $16.75.

24-26

Film: "Full Metal Jacket." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

25

Concert: The South Carolina State College Jazz Band. Sponsored by Black Awareness Committee (656-2153), 8 p.m., Tillman Hall Auditorium, free.

Lecture: "Sexually Speaking with Dr. Ruth Westheimer." Sponsored by University Union (656-2461), 6 p.m., amphitheater, free.

27

Eaton-Freeman Piano Competition. Sponsored by performing arts department (656-3043), 3 p.m., Daniel Hall Auditorium, free.

Film: "Raiders of the Lost Ark." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

28

Distinguished Faculty Lecture: Harold Cooledge. Sponsored by College of Architecture (656-3081), 8 p.m., Lyles Auditorium, Lee Hall, free.

Film: "Betty Blue." Sponsored by languages department (656-3393), 7:30 p.m., Room 313 Daniel Hall, free.

28-April 7

Exhibition: Ireland G. Regnier: Retrospective Exhibition 1962-1987. Sponsored by College of Architecture (656-3081), 9 a.m.-4:30 p.m., weekdays; 2-5 p.m., Sundays, Lee Gallery, Lee Hall.

28-April 13

Short Course: Scuba Diving. Sponsored by University Union (656-2461), Mondays and Wednesdays, 7-9 p.m., $195.

29

Clemson University Concert Series: "Sonic Fireworks," with the New York Trumpet Ensemble and Anthony Newman, organist. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, $6 adults, $2 children, students free.

30

Film: "The Sound of Music." Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

31

Lecture: "The Thing," by Robert Russell. Sponsored by English department and the Computer Center (656-3030), 4 p.m., 108 Strode tower, free.

31-April 2

Film: "Raising Arizona." Sponsored by University Union (656-2461) 7 & 9:15 p.m., Y-Theater, $1.75.

April

3

Easter.

Clemson

Vol. 27, No. 24 March 2, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

This week is safe driving week

This week has been proclaimed "State Government Safe Driver Week" by Gov. Carroll Campbell to recognize state employees and officials who have operated state-owned vehicles safely during the past year.

State employees traveled more than 124 million miles on official business last year.

Safe Driver Week is a follow-up to the Safe Driver Awards Program, sponsored annually by the State Division of Motor Vehicle Management Office.

As a part of the program, campus departments may select employees who safely operated state vehicles last year and who have met other award criteria.

Nominations must be made to the Motor Pool by March 10.

For information, call Motor Pool Supervisor Bill Nix at 656-2436.

History Day is March 3

More than 400 junior high and high school students will descend on campus Thursday for National History Day.

History Day participants can compete in a variety of areas, from projects and papers to group performances.

District winners will go on to compete in State History Day to be held in Lancaster March 25.

This year, students will visit with the Tiger mascot, and while awaiting the judges' results they can view historical videotapes or visit the Fort Hill mansion.

The day concludes with an awards ceremony at 1 p.m.

(Godfrey Hall)

Tours, open houses highlight 'new' Godfrey Hall dedications March 2-4

Dedication ceremonies for the newly renovated Godfrey Hall will be held today through Friday.

This afternoon at 1:30 p.m in Tillman Hall Auditorium, Godfrey receives its official University dedication. President Max Lennon and former Greenville Mayor Max Heller will speak, after which tours of Godfrey and a reception will follow.

On March 3 and 4 at 2 p.m., the graphic communications area of the industrial education department will hold an open house, featuring tours and printing demonstrations from 3-6 p.m. and a reception from 4-6 p.m. each day.

Constructed in 1898 to house the School of Textiles, Godfrey is one of the oldest academic buildings on campus. In addition to being an academic building, it has served as a temporary high school (after fire destroyed Calhoun-Clemson High School in 1939) and as an infirmary (when the top floor was remodeled to serve as a make-shift hospital during a serious epidemic).

During its 90-year history, Godfrey has been home to the departments of military science, physics, geology, elementary and secondary education, and recreation and parks administration, as well as the School of Arts and Sciences and the College of Education.

Godfrey's new look is designed to create the most modern laboratory and classroom space possible inside the building, while preserving the original cotton mill-design exterior common to the early 20th century.

Briefly

Band to pay tribute to Sousa in March 9 concert

The Clemson University Symphonic Band will present a tribute to John Philip Sousa in its March 9 concert in Tillman Hall Auditorium. The 8 p.m. concert is free and open to the public.

Band Director Bruce Cook says the program will feature not only two of the familiar rousing Sousa marches but also other music representative of the period and of Sousa's contribution to American music.

For example, it was Sousa who introduced European audiences to "ragtime" music, the forerunner of jazz. The inclusion of jazz composition in his concerts also helped that music form gain popular acceptance.

The March 9 concert will feature selections from Verdi, Herbert Clarke, Mussorgsky and George Gershwin, among others.

Historian to lecture on feminism March 8

Karen Offen, a noted historian of women and of modern France, will present the Dorothy Lambert Whisnant Lecture on Women's History Tuesday, March 8, at 8 p.m., in Lee Hall Auditorium.

Her topic will be "Defining Feminism: A Comparative Historical Perspective," and the lecture is sponsored by the College of Liberal Arts and the history department through an endowment given by Edythe and Robert Lambert. The lecture is open to the public at no charge.

Offen is affiliated with the Institute for Research on Women and Gender at Stanford University. She is the author and editor of a number of books on the role of women in history and is the recipient of Rockefeller, Fulbright and National Endowment for the Humanities fellowships, among other awards.

Following the lecture, there will be a public reception sponsored by the Association of Women Professionals in Lee Gallery.

Neville to speak March 3

Robert Neville, professor of religion and philosophy at Boston University, will lecture on "Self-Cultivation: The Way of the Sage in Japan," Thursday,March 3, at 3:30 p.m. in Lee Hall Auditorium. The lecture is sponsored by the philosophy and religion faculty and is free and open to the public.

Fike makes changes in use of recreation facilities

Several changes have been made recently concerning the use of campus recreation facilities. They are as follows:

- Individuals may now make only two tennis court reservations per week so that more court time will be open for other Fike members.
- The Coliseum will now open between 7 and 7:15 a.m. Monday through Friday.

Starting Monday March 7, the coliseum will remain open until 6 p.m. Monday through Friday. On inclement days the varsity track team will have priority, and the area will be closed at 3 p.m.

- The big gym will be closed for floor resurfacing March 10 - 20. Both gyms at Fike will be closed March 11, 12 and 13.

Certification deadline nears

- March 15 is the deadline for filing applications for the Certified Professional Secretaries exam to be held May 5-6 in Room 106 Tillman Hall.
- The CPS accounting course begins March 22 in Room 109 Lowry Hall.
- The next meeting of Professional Secretaries International will be held March 14 at 5 p.m. in the Clemson Golden Corral. All secretaries are invited.

PSI meets the second Monday of each month.

For more information, call Linda Brady at 656-2249.

Work-study deadline nears

Students interested in participating in the College Work-Study Program for the 1988-89 year must submit a College Scholarship Service Financial Aid Form to Princeton, New Jersey, by April 1, 1988.

For more information , call the Financial Aid Office at 656-2280.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, March 11 for March 23 issue.**

Nominations due for Provost Research Awards

The University has provided funds for 25 Provost Research Awards valued at $2,000. The University Research Grant Committee is accepting applications and will make the awards.

The awards stimulate research activities by University faculty. Any faculty member with a tenured/tenure track faculty title, with the exception of 1983-87 awardees (no more than one award may be presented to a given faculty member in any five-year period), may make application for the awards.

Application forms and instructions are available in the Office of University Research. Applications must be received in that office on or before April 1.

For more information, call the Office of University Research at 656-2375.

Nominations due for McWhorter Awards

The Association of Woman Professionals (AWP) is accepting nominations for its third annual Susan B. McWhorter Outstanding Woman Professional Award, which will be announced April 20.

Nominations should be mailed before March 21 to the Susan B. McWhorter Memorial Committee, AWP, P.O. Box 1133, Clemson, SC 29633.

Nominations should be in letter form and no more than two pages. The nominator's telephone number should be included.

For information, call Teresa Paschal Evans at 646-9343.

Library features exhibit

An exhibit featuring blacks in science will be on display in Cooper Library through March.

"Distinguished Black Americans" is sponsored by the Library, the chemistry department and the Black Awareness Committee and is available for viewing during regular Library hours.

Chemist to speak March 3

Mordecai Shelef, manager of the chemistry department research staff for the Ford Motor Co., will speak March 3 on "Opportunities For Chemists and Engineers in the Automobile Industry."

The seminar will be held at 11 a.m. in Earle Hall Auditorium and again at 4:30 p.m. in the Hunter Chemistry Auditorium.

Shelef's visit is sponsored by the College of Sciences and the chemistry department as part of the "Distinguished Chemical Industry Business Seminar Series."

Engineer to speak

On March 4, Sherrill Biggers of Lockheed-Georgia in Marietta speaks on "Getting the Most Out of Advanced Composites: Concepts, Analysis, Design, and Testing" at 2:30 p.m. in Room 300 Riggs Hall.

His talk is sponsored by the mechanical engineering department as part of its spring seminar series.

For information, call Professor James Brasseur at 656-5639.

Sign up now for March pre-retirement seminar

A pre-retirement education seminar for employees within 15 years of retirement eligibility will be sponsored March 22-23 by the Personnel Office.

Topics will include retirement and Social Security benefits, financial planning, investments, legal affairs, insurance, and health and leisure.

Employees and their spouses can make reservations on a first-come, first-served basis by calling Francis Holliday at 656-3367.

The next pre-retirement seminar is Nov. 15-16.

Food seminar is March 3

The departments of agricultural engineering and food science will sponsor an agricultural seminar March 3 on "Improving Productivity of Industrial Fermentation Using Membrane Bioreactors."

The 1:30 p.m. seminar will be presented in Room 113 Lehotsky Hall by Professor Munir Cheryan of the food and biochemical engineering department at the University of Illinois.

For more information, call agricultural engineering at 656-3250 or food science at 656-3397.

DAPS demonstrations to showcase variety of resources March 3, 10, 24

Administrative Programming Services will present DAPS Demonstration Days March 3, 10 and 24.

The sessions are to designed to demonstrate the wide range of services available from DAPS.

The first session will be held March 3 on the main floor of the Library from 1:30 to 3 p.m.

The second session will be held March 10 in Ravenel Center from 1:30 to 3 p.m.

The third session will be held March 24 in the lobby of Poole Computer Center from 1:30 to 3 p.m.

Everyone is invited to attend.

For more information, call Administrative Programming Services at 656-2353.

Departmental notes

Agricultural Economics & Rural Sociology

J.C. Hite (Alumni Prof) presented a paper, "Water Economics and the Rural Poor in South Carolina" (co-authored with **Holly Ulbrich**, Alumni Prof of Economics) at the Professional Agricultural Workers Association meetings at Tuskegee Institute.

K.H. Kahl (Assoc Prof) discussed the paper, "Price Implications of Alternative Deliver Mechanisms for Futures Contracts," by Allen B. Paul at the Conference on Livestock Pricing in Denver, Colo., Jan. 7-8.

Agricultural Engineering

The following papers were presented at the 37th Annual Pesticide Chemicals School in Columbia, S.C., Jan. 7-8:

"Use of Weather Information for Pesticide Management," **D. Linvill** (Prof) and **D. Smith** (Ag Sci Assoc).

"Automatic Control System for Air Blast Sprayer," **R. Dodd** (Asst Prof), **K Giles** (former grad asst) and M. Delwiche (Univ Calif).

The following papers were presented Feb. 1-2 at the Southeast Region ASAE annual meeting in New Orleans, La.:

"Grain Aeration Advisory Via Computerized Network," **M. Buschermoshle** (Grad Asst).

"Remote Data Monitoring with CUFAN," **J. Alphin** (Prof) and S. Horne.

"A Look at the Education Needs for Agricultural Engineering Through Year 2000," (Panel Discussion), **R. Hegg** (Prof & Head).

Agronomy and Soils

The following papers were presented at the 1987 Annual Meetings of the American Society of Agronomy, Nov. 29 through Dec. 4.

Ronald C. Chrestman (Grad Asst) presented "Selection of Beef Cattle between Endophyte-infected and Noninfected Tall Fescue". The paper was co-authored by **W.C. Stringer** (Assoc Prof), **D.L. Cross** (Prof, Animal Science) and **J.S. Rice** (Prof).

Domingo M. Jariel (Grad Asst) presented "Screening Maize for Aluminum Tolerance: Influence of pH Adjustment and Nitrate and Ammonium Concentrations". The paper was co-authored by **S.U. Wallace** (Assoc Prof), H.P. Samonte (University of the Philippines) and U.S. Jones (Prof Emeritus).

James G. Mueller (Grad Asst) presented "Loss of Butylate (But+) - Degrading Ability by a Flavobacterium and "Biodegradation of Carbamothioate Herbicides as Influenced by Plasmid Moieties". The papers were co-authored by **H.D. Skipper** (Prof) and **E.L. Kline** (Prof, Microbiology).

Patricia A. Nelson (Grad Asst) presented "Repeatability of Solute Flow Patterns in Structured and Unstructured Soils." The paper was co-authored by **V.L. Quisenberry** (Prof).

Robert K. Obura (Grad Asst) presented "Interactions of Cowpea Cultivars by VAM Fungi by Phosphorus in South Carolina". The paper was co-authored by **H.D. Skipper** and **W.L. Ogle** (Prof Emeritus, Horticulture).

Charles M. Ogg (Grad Asst) presented "The Genesis and Mineralogy of Selected Soils Derived from Ultramafic Rocks". The paper was co-authored by **B.R. Smith** (Asoc Prof).

C. Leonard Parks (Prof) presented "Effect of Nitrogen Sources on the Yield of Tifton 44 Bermudagrass and Nitrogen in the Forage". The paper was co-authored by **J.E. Toler** and **B.W. Pinkerton** (Asst Prof).

John C. Reardon (Grad Asst) published "A Computer-Controlled Data Acquisition System for Soil-Plant-Atmosphere Research (SPAR) Chambers" and "The Effects of Increased Carbon Dioxide Concentrations on N-Fixation Rates in Soybeans". The papers were co-authored by B. Acock (USDA-ARS). **J.L. Dunlap** (Instrument Supv, Ag Engineering), **S.U. Wallace** and **J.R. Lambert** (Prof, Ag Engineering).

Bill R. Smith presented "Occurrence and Characteristics of Fragipans on the Coastal Plains of Southeastern USA". The paper was co-authored by R.B. Daniels (N.C. State University).

Gregory S. Stapleton (Grad Asst) presented "Herbicides and Tillage in Autumn Establishment of Alfalfa into Bermudagrass". The paper was co-authored by **W.C. Stringer, T. Whitwell** (Assoc Prof) and **B.C. Morton** (Ag Sci Assoc).

W.C. Stringer presented "Using a Computerized Simulation Model in Extension Agent Training".

Alan J. Vybiral (Grad Asst) presented "Fall Harvest and Spring Insect Management on Alfalfa". The paper was co-authored by **D.R. Alverson** (Assoc Prof, Entomology) and **W.C. Stringer.**

Stephen C. Wagner (Ag Sci Assoc/ Grad Stu) presented "Effect of Storage Conditions on Glomus claroideum". The paper was co-authored by **H.D. Skipper** and **W.C. Bridges** (Asst Prof, Experimental Statistics).

James H. Palmer (Prof) presented a paper entitled "Agronomic Considerations for Interseeding Soybeans into Standing Wheat" at the winter meeting of the Agronomy Society of South Carolina, Nov. 12 in Columbia.

Palmer also gave an invited talk entitled "BEAN-AID: Computer Assisted Soybean Production" at the Mid-Atlantic Seed Conditioners Workshop, Dec. 14-16 in Raleigh, N.C.

Susan U. Wallace (Assoc Prof) had a paper entiled "Soybean Seedling Emergence at High Temperatures" accepted for publication in Plant and Soil Science.

At the Southern Weed Science Society Annual Meeting held in Tulsa, Okla., in January, **James G. Mueller** (Grad Asst) took first place in the Soils and Environmental Aspects Division with his presentation. **Jeffery M. Higgins** (former Grad Asst) took first in the Ecological and Physiological Aspects Division.

Architectural Studies

Richard B. Norman (Prof) contributed a chapter: "Intuitive Design and Computation" to the book Computability of Design, recently released by John Wiley and Sons.

Gayland Witherspoon (Prof) has been elected chairman of the national AIA Scholarship Committee for 1988.

Bioengineering

David D. Moyle (Assoc Prof) and **Edward W. Berg** (Adjunct Prof) had "Osteoporosis: An Overview of Causes, Prevention and Therapy" published as the cover article in the January issue of The Journal of Muscloskeletal Medicine.

Building Science

Steve Schuette (Assoc Prof) has been elected the first vice president of the S.C. Piedmont Chapter of the American Institute of Constructors.

Chemistry

Darryl D. DesMarteau (Prof & Head) and **S. Singh** (Research Assoc) published a paper with M. Razaq, A. Razaq and E. Yeager of Case Western Reserve University entitled "Bis(trifluoromethyl)sulfonyl Imide as an Alternate Electrolyte in Hydrogen-Oxygen Fuel Cells" in Journal of Applied Electrochemistry, 17, 1987, 1064.

DesMarteau also presented an invited lecture "Recent Developments in Novel Fluorochemicals" at Air Products and Chemicals, Inc. in Allentown, Penn., Jan. 25.

K. Dill (Assoc Prof) received a grant of $23,370 from Battelle Memorial Institute for his research on "Two Dimensional Nuclear Overhauser Enhancement Spectroscopic Studies of the Interaction of Organic Arsenicals with DNA and Polynucleotides."

J.W. Huffman (Prof) attended the 12th Mona Symposium on National Products and Medicinal Chemistry in Kingston, Jamaica, Jan. 4-8 and presented "Enolization of 2-Decalones," coauthored by **W.H. Balke** (former grad student).

He also presented "Synthetic Approaches to Delta-9-THC Carboxylic Acid" with **Z. Xuehai** (Research Assoc/Asst Prof), **M.J. Wu** (former grad student) and **H.H. Joyner** (grad student).

Huffman also served as guest editor for a symposium in print, "Current Topics in Sesquiterpene Synthesis", Tetrahedron, 1987, 43, No. 23 and published "Stereoselective Total Synthesis of (+) - Isocelorbicol", Tetrahedron, 1987, 43, 5557 with **P.C. Raveendranath** (former grad student).

R. Kenneth Marcus (Asst Prof) presented papers entitled "Study of Glow Discharge Sputtering in Alloy Systems" with **D. Fang** (Grad Stud) and "Analysis on Nonconducting Sample Types by Glow Discharge Atomization Atomic Absorption Spectroscopy" with **M.R. Winchester** (Grad Stud) at the 1988 Winter Conference on Plasma Spectrochemistry in San Diego, Calif, Jan. 3-9.

John D. Petersen (Prof and Assoc Dean) published "Ground and Excited State Interactions in Multimetal Systems" in Photochemistry and Photophysics of Coordinations Compounds, Berlin, 1987.

Petersen also published the chapter "Intramolecular Energy and Electron Transfer in Polymetallic Complexes" in Supramolecular Photochemistry, NATO ASI Series, D. Reidel Publishing Company, Dordrecht, West Germany, 1987, pp. 135-153.

Computer Science

D.E. Stevenson (Assoc Prof) chaired a Floating Point Systems Special Interest Group on the T-series Jan. 18. The meeting was held in conjunction with the Hypercube Concurrent Computers and Applications Conference in Pasadena, Calif.

Stevenson also presented a poster session entitled, "State Transition Canonical Forms" at the conference.

English

R.W. Moran (Prof & Asst Dean) reviewed George S. Lensing's "Wallace Stevens: A Poet's Growth" in The South Carolina Review, 20 (1987).

Entomology

P.M. Horton (Assoc Prof) has been appointed chairman of the national Extension Task Force on Pest Management and the Environment. This task force will be responsible for strategic planning and direction of national Extension programs relating to integrated pest management, pesticide impact assessment, pesticide applicator training, pesticide education, endangered species, pesticide labeling, and water quality as affected by pesticides.

Extension Home Economics

C.T. Mounter (Assoc Prof) recently attended the National Conference on Volunteerism in Chicago sponsored by the Association of Volunteer Administration.

Mounter also published "Volunteer Program Success Based on the Motivation of Volunteers and Perceptions of These by Managers" in Community Education Research Digest.

Forestry

R.A. Harris (Assoc Prof) published "An Economic Comparison of Covered vs. Outside Storage of Whole-Tree Fuelwood Chips" in Forest Products Journal 38(1):15-16, January 1988.

M.A. Taras (Prof and Head) and **D.R. Phillips** (U.S. For. Serv. and Adjunct Prof) published "Accuracy of Log Volume Estimates by Density and Formulas Compared with Water Displacement" in Forest Products Journal 37(10):37-42.

D.C. Guynn (Prof) and **M.T. Mengak** (former grad asst) published "Pitfalls and Snap Traps for Sampling Small Mammals and Herpetofauna" in The American Midland Naturalist 118(2):284-288.

G.W. Wood (Prof), **M.T. Mengak** (former grad asst), and **M. Murphy** (former forestry aide) published "Ecological Importance of Feral Ungulates at Shackleford Banks, North Carolina" in The American Midland Naturalist 118(2):236-244.

R.T. Davis (Grad Asst), **L.E. Nix** (Assoc Prof) and **D.C. Guynn Jr.** (Prof) published "Monitoring Habitat Use of White-tailed Deer by Track Counts in Coastal South Carolina".

J.C. Bossart (Grad Asst), Guynn and **G.R. Askew** (Assoc Prof) published "Efficacy of spotlight counts for survey of white-tailed deer" in Proceedings: Deer, Forestry, and Agriculture: Interactions and Strategies for Management Symposium in Warren, Penn.

History

Elizabeth Carney (Assoc Prof) published "The Career of Adea-Eurydice" in Historia 36, 4 (1987).

Richard M. Golden (Prof) published "The Huguenot Connection: The Edict of Nantes, Its Revocation, and Early French Migration to South Carolina" (Dordrecht, The Netherlands: Martinus Nijhoff, 1988).

Golden also reviewed A.J. Ayer, Voltaire, in Religious Studies Review 14 (January 1988): FF.

Horticulture

R.F. Dufault (Assoc Prof) published "Use of Slow-release Nitrogen and Phosphorus Fertilizers in Celery Transplant Production" in HortScience 22(6):1268-1270.

R.D. Lineberger (Prof & Head) and C.H. Michler (USDA Forestry Research Lab, Rhinelander, WIS) co-authored "Effects of Light on Somatic Embryo Development and Abscisic Acid Levels in Carrot Suspension Cultures" in Plant Cell, Tissue and Organ Culture 11:189-207.

A.R. Mazur (Prof) and **D.F. Wagner** (Assoc Prof) co-authored "Influence of Aeration, Topdressing, and Vertical Mowing on Overseeded Bermudagrass Putting Green Turf" published in HortScience 22(6):1276-1278.

Industrial Education

D.G. Tesolowski (Assoc Prof) recently was appointed an assistant editor of the Journal of Industrial Teacher Education by the Board of Directors of the National Association of Industrial and Technical Teacher Educators at the Annual Convention of the American Vocational Association in Las Vegas. The two-year appointment will span volumes 26 and 27 and begins July 1.

Industrial Engineering

D.L. Kimbler (Assoc Prof) presented "Simulation Program Generators: A Functional Perspective" (co-authored with **B.A. Watford**, Asst Prof) at the Society for Computer Simulation Conference on AI and Simulation in San Diego Feb. 6.

Languages

H.E. Stewart (Prof, French) published "Jean Genet's Favorite Murderers," The French Review, 60 (1987), no. 5, 635-643.

Stewart also published "Toward a New Chronology: Jean Genet's Life and Works in 1939," The French Review, 61 (1987), no. 1, 60-64.

Stewart also published "Jean Genet's Childhood in Alligny-en-Morvan," Romance Notes, XXVII (1986), no. 2, 107-111.

Management

T.L. Leap (Prof), G.S. Taylor (Mississippi State University), **W.H. Hendrix** (Prof), & **Z.Z. Wei** (doctoral candidate), had "Pre-employment Screening as a Means of Eliminating Union Adherents," accepted for publication in the Labor Law Journal.

Marketing

Stephen J. Grove (Asst Prof) co-authored an article, "Marketing Ethics and the Techniques of Neutralization," which appeared in Journal of Business Ethics, Vol. 6, pp. 433-438.

He also co-authored an article published in the Proceedings of the Atlanta Marketing Association entitled, "Retooled Academicians: A Solution to Marketing's Hiring Woes?"

Mechanical Engineering

E. Harry Law (Prof) has been nominated as associate editor of the ASME Journal of Dynamic Systems, Measurement, and Control.

Law also co-authored with **I. Haque** (Asst Prof), **R.S. Figliola** (Asst Prof) and R.H. Fries (VPI&SU) "Prediction and Measurement of Vibration Environment During Rail Transportation."

Law also co-authored the papers, "Further Studies on Nonlinear Steady State Curving of Locomotives Having 3 Axle Trucks" with Haque and **Xia Aunmao** (grad student) and "Energy Related Investment Decision Anaylsis for Railroads Using Lotus 1-2-3" with F. Paul Clipp (Southern Associates). The papers were presented at the 1987 Winter Annual Meeting of the American Society of Mechanical Engineers.

Law also chaired the session "Dynamics and Control of Road and Railway Vehicles" and a panel on Transportation Vibration Environment for Electronic Packaging.

C.E.G. Przirembel (Prof and Head) has been selected as chairman of the Planning Committee for the ASME 1989 Mechanical Engineering Department Heads Conference. The conference recommends specific curricular innovations and suggests implementation procedures. The conference is scheduled for March 1989.

Przirembel also attended the recent American Society of Mechanical Engineers' Winter Annual Conference in Boston, Mass. He attended meetings of the Board in Engineering Education and the Board on Public Information. He also chaired the meeting of the Planning Committee for the 1989 Mechanical Engineering Department Heads Conference.

Ting Wang (Asst Prof) presented a paper, "Development of a Special-Purpose Test Surface Guided by Uncertainty Analysis: Introduction of a New Uncertainty Analysis Step," at the 26th AIAA Aerospace Science Meeting, Jan. 11-15 in Reno, Nev. Co-author is T.W. Simon (Assoc Prof) of the University of Minnesota.

Nursing

B.F. Campbell (Asst Prof) published "Program Attunes Students to Population-Focused Care" in the January 1988 issue of Nursing and Health Care.

Performing Arts

Clifton Egan (Assoc Prof) was elected chairman of the Southeast Theatre Conference's New Play Project for 1988.

Egan also directed the stage production of "Yellow Dog Crossing at Mill Mountain Theatre," a professional theatre in Roanoke, Va.

Egan was elected the South Carolina representative to the Board of Directors, Southeast Theatre Conference.

Egan also was elected chairman of the South Carolina Theatre Association College and University Division for 1988.

Tony Evans (Asst Prof) was elected to the executive board of the Clemson Area Youth Theatre.

Psychology

Francis C. Dane (Assoc Prof) has been named to the editorial board of Review of Personality and Social Psychology, an annual series published by Sage Publications.

Dane also published The Common and Uncommon Sense of Social Psychology with Brooks/Cole Publishing Co. of Monterey, Calif.

Physics and Astronomy

M.F. Larsen (Assoc Prof) and J. Rottger published "A Comparison of Thunderstorm Reflectivities Measured at VHF and UHF" in the Journal of Atmospheric and Oceanic Technology, Vol. 4, pp. 151-159, 1987.

Larsen also presented an invited review paper entitled "The Role of the Forced Neutral Circulation and Wave Structure in the Dynamics of the High-Latitude Thermosphere" at the Fall Meeting of the American Geophysical Union in San Francisco Dec. 7-11, 1987.

Larsen has been appointed vice president of the Commission on Geophysics of the Pan-American Institute of History and Geography.

Larsen gave an invited review talk entitled "Wind Measurements from ST/MST Radars" at the 22nd General Assembly of the International Union of Radio Science in Tel Aviv, Israel, Aug. 24-Sept. 2, 1987.

Larsen and I.S. Mikkelsen (Danish Meteorological Institute) published an article entitled "The Normal Modes of the Thermosphere" in the Journal of Geophysical Research (Space Physics), Volume 92, pp. 6023-6043, 1987.

Larsen, with Mikkelsen, M.C. Kelley (Cornell University), J. Vickery (SRI International), E. Friis-Christensen (Danish Meteorological Institute) and J. Meriwether and P. Shih (both at the University of Michigan), published "Simultaneous Measurements of the Thermospheric Wind Profile at Three Separate Positions in the Dusk Auroral Oval" in the Journal of Geophysial Research (Space Physics), Volume 92, pp. 4639-4648, 1987.

Larsen and J. Rottger of the EISCAT Scientific Association, Kiruna, Sweden, provided an invited

review entitled "Clear Air Radar Techniques" for the Battan Memorial and 40th Radar Meteorology Conference held in Boston, Mass., Nov. 9-13, 1987.

Larsen, Rottger, and **D.N. Holden** (former grad student) published "Direct Measurements of Vertical Velocity Power Spectra with the SOUSY-VHF-Radar Wind Profiler System" in Journal of the Atmospheric Sciences, Volume 44, pp. 3442-3448, 1987.

Larsen, J. Rottger, and **T.S. Dennis** (grad stud) published "A Comparison of Operational Analysis and VHF Wind Profiler Vertical Velocities" in Monthly Weather Review, Vol. 116, pp. 48-59, 1987.

John R. Ray (Prof) has published "Calculation of Elastic Constants Using Molecular Dynamics" in Condensed Matter Theories, Vol 2.

Plant Pathology and Physiology

L.W. Baxter (Prof), **S.G. Fagan** (Ag Sci Asst), and **S.B. Segars** (Ag Sci Assoc) published a Disease Note entitled "New suscepts of Exobasidium camelliae, the Cause of Camellia Leaf Gall Fungus" in Phytopathology 72:79 (1988).

Sociology

R.F. Larson (Prof and Head) coauthored the ninth edition of The Sociology of Social Problems (Englewood Cliffs: Prentice-Hall, 1988).

Textiles

H.M. Behery (Prof) visited Portugal Jan. 16-23 on a grant by the LUSO/AMERICAN Commission (Fulbright). He visited the Universidade da Beira Interior (UBI) at Covilha to follow up on four projects previously submitted to the LUSA/AMERICAN Foundation and to continue co-advising a Ph.D. candidate at UBI. He also held meetings in Lisbon at the Foundation to pursue discussion on the projects.

Seed Certification

John Black Jr. (Head and Lect) served as program co-chairman for the Mid-Atlantic Seed Conditioning Workshop. During the workshop Black represented the viewpoint of seed certifying agencies on a panel on "The U.S. Plant Variety Protection Act: Is it Working?"

Ross Jameson (Seed Cert Supv) was presented a Certificate of Recognition of Service by the Association of Official Seed Certifying Agencies at the Mid-Atlantic Seed Conditioning Workshop in Raleigh, N.C., Dec. 14-16.

FACTS book available from Central Stores

The latest issue of FACTS, a publication of general information about the University, is now in stock and available from Central Stores in the Purchasing Building.

The 13-page booklet includes information on Clemson's history, campus points of interest, enrollment and a listing of courses offered in each college.

The price per package of 25 copies is $5.67. The stock number is F290024. Also, be sure to include the bin location number (0407) on the University Stores Requisition Form.

Two-color campus maps also are available at 25 cents each. Include both the stock number (F089152) and bin location number (0089) on the requisition form.

Information packets can be purchased from the Visitors Center.

They include the FACTS publication, the two-color campus map, other University literature, information about the town, Pickens County, the Upstate and South Carolina.

There are two types of packets, both containing the same information:

— the white Capabilities folder ($2.75 each)

— the brown plain folder ($1.50 each).

These are especially appropriate for special visitors, potential faculty and staff and conference attendees.

For more information, call the Visitors Center at 6564789.

Send calendar items to "master calendar" news services, Trustee House

Gauthreaux elected Fellow by scientific society

Zoology Professor Sidney Gauthreaux Jr. has been elected a Fellow of the American Association for the Advancement of Science.

Gauthreaux, a specialist in bird migration and bird-aircraft collisions, was elected at the association's annual meeting in Boston Feb. 15.

Gauthreaux is considered one of the foremost authorities on bird movement and night migration. The AAAS, formed in 1848, is the leading general scientific organization in the United States, boasting a membership of some 132,000 individuals and 300 affiliated scientific, engineering societies and academies of science.

Clemson
WEEKLY
Vol. 27, No. 25 March 9, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Dairy science gets million-dollar endowment

South Carolina's dairy industry plans to raise $1 million to endow a special faculty post in dairy science and has inducted the University into the S.C. Dairy Hall of Fame.

At their annual meeting Feb. 27, members of the S.C. Dairy Association voted to raise $200,000 each year for the next five years to create a chair in the dairy science department, says Kelly Smith, executive secretary of the association.

The chair makes five top faculty endowments begun here in the past six months and is the seventh major gift to be announced during that period.

A chair is one of Clemson's most prestigious faculty appointments, requiring an endowment of at least $1 million. Investment income from the endowment provides the salary and operating budget for the position.

The person selected for the dairy science chair will be an exceptionally gifted educator, well known and respected in academic circles.

He or she will conduct research and development work and will teach in the dairy science department. The Clemson University Foundation will oversee the endowment.

There is tremendous potential for growth in the dairy manufacturing segment of the industry, and such a chair will enable the department to expand in that area, says Dixon Lee, head of the dairy science department.

"We think the chair also will boost student enrollment in the dairy program by illustrating how dairy science can offer lifetime career challenges and competitive incomes," he says.

Also during the meeting, the association presented the S.C. Dairy Hall of Fame award to Clemson, a first for the Hall. Since its creation, only people — not institutions or businesses — have been inducted into the Dairy Hall of Fame, which is located in the dairy science department.

Motor Pool ranks as one of state's best

The University motor pool recentiy received special recognition from the S.C. Division of Motor Vehicle Management.

Lieutenant Governor Nick Theodore (right) presented shop supervisor Monty Marcengii (center) and motor pool supervisor Biii Nix with an Outstanding Maintenance Facility Award at the Motor Vehicle Management and Training Conference heid in Charieston last September.

Last year the motor pooi exceeded the division's criteria for safety and quality and ranked in the top 2 percent of aii state-operated shops.

All shops are required to meet Occupational Safety and Heaith Administration standards, maintain special automotive equipment and provide continuous training opportunities for mechanics.

U.S. District Judge to speak March 24

Clemson University just wouldn't be the same without U.S. District Judge Donald Russell, who will be speaking here March 24 (not March 23 as was printed in the recent *Clemson Events*).

Russell was South Carolina's governor in 1964, and it was his signature on the bill which officially changed the name of Clemson Agricultural College to Clemson University.

Russell, a former U.S. Senator, will speak in Daniel Hall Auditorium at 3:30 p.m. on "The Responsibilities of Leadership."

His talk is sponsored by the history and political science departments and the Strom Thurmond Institute. For information, call 656-5363.

Briefly

Band to pay tribute to Sousa in tonight's concert

The Clemson University Symphonic Band will present a tribute to John Philip Sousa tonight in its concert in Tillman Hall Auditorium. The 8 p.m. concert is free and open to the public.

Sign up now for March pre-retirement seminar

A pre-retirement education seminar for employees within 15 years of retirement eligibility will be sponsored March 22-23 by the Personnel Office.

Employees and their spouses can make reservations on a first-come, first-served basis by calling Francis Holliday at 656-3367.

Certification deadline nears

- March 15 is the deadline for filing applications for the Certified Professional Secretaries exam to be held May 5-6 in Room 106 Tillman Hall.
- The CPS accounting course begins March 22 in Room 109 Lowry Hall.

For more information, call Linda Brady at 656-2249.

Campus police sponsor defensive driving course

A defensive driving course, sponsored by the University police department, will be held March 24 from 8:30 a.m. to 4:30 p.m., and March 30 and 31, from 5-9 p.m.

The eight-hour classroom course and the instructor are certified by the National Safety Council. If you successfully complete the course, up to four points can be reinstated on your S.C. driver's license.

Tuition is $25. The class is open to the first 25 applicants.

To enroll, send your name, address, telephone number and a $25 check made payable to Clemson University to: Defensive Driving, Clemson University Police Department, A Street, Clemson University, 29634.

For more information, call Lt. Ed Greene at 656-2222 between 7 a.m. and 3 p.m.

Psychologist to lecture

On March 21, psychology Professor Barbara Dickson-Parnell will speak from 4:30 to 5 p.m. on "Coping Skills for Working Parents — How to Handle Peanut Butter, Jelly, and Guilt" in Room 111 of the College of Nursing.

Her talk is sponsored by the Wellness Office. Call 656-5520 for more information.

Discount tickets available to area theme parks

If you've made no plans for Spring Break, you might consider the discount theme park tickets available in the University Union Travel Center.

The Travel Center has tickets for Six Flags, which opens on weekends starting March 12, for $14. Tickets for Carowinds, which opens on weeknds starting March 19, are $13. Carowinds also is offering a two-for-one deal March 19 and 20, giving you a second admission free with the purchase of one ticket.

The Travel Center is open from 11 a.m. to 4:30 p.m. weekdays.

For more information, call Patty Skelton at 656-5833.

History lecture is March 21

"The Liberal Arts at Clemson Agricultural College" is the topic of a March 21 lecture by history Professor Roger Leemhuis.

His talk, sponsored by the history department, will be at 3:30 p.m. in Room 109 Hardin Hall.

For information, call 656-5363.

Professor to speak on risk taking

Psychology Professor Lauretta Park will present "Risk Taking — Successful People who Beat the Odds" March 22 at 4:30 p.m. in Room 131 Brackett Hall.

Her talk, sponsored by the psychology department and the Wellness Office, is free and open to all interested persons.

Spring Break is next week

Spring Break is March 14-18.

The University will be closed Thursday and Friday (March 17 and 18).

There will be no *Clemson Weekly* next week. The next issue will be March 23.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, March 11 for March 23 issue.**

Clemson
WEEKLY
Vol. 27, No. 26 March 23, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Tillman Hall's 97-year-old cornerstone was removed last week.

Tillman's cornerstone removed

Physical Plant workers removed Tillman Hall's 97-year-old cornerstone last week, inside of which was a small, copper time capsule dating back to the building's construction in 1891.

Building department workers chisled free the capsule shortly after mid-day Monday with President Max Lennon and other University officials looking on.

The capsule was then taken to Cooper Library, where special collections head Michael Kohl supervised the opening of the solder-sealed box.

Approximately 25 University employees and area news media witnessed the removal of a number of documents and artifacts.

"Many items have been seriously damaged, possibly as a result of the fire that practically destroyed Tillman Hall in 1894," says Kohl. "We'll turn the remainder of the items over to the State Department of Archives and History for further examination and preservation."

Plans are for the cornerstone's contents to be displayed in the Cooper Library. A new time capsule will be put together and installed when Tillman's cornerstone is replaced during Cornerstone Week in April 1989.

Newspapers, coins among contents of time capsule

Among the contents removed March 14 from Tillman's time capsule were:

- A carpenter's file and a bar of solder on top of the copper box.
- A legal document reading, "United States District of South Carolina 4th Circuit Court of Equity — Isabella Lee against Richard Simpson"
- Part of cigar
- An 1889 indian head penny
- An 1851 dime
- An unidentifiable penny
- A carpenter's pencil with the initials "J.R.T."

Also inside the box were the following newspapers:

- The World, July 22, 1891
- The Courier (Anderson)
- The Enterprise, vol. 2, no 11
- Cotton Plant, vol. 7, no. 26
- Charleston Budget, July 1891
- The State, July 1891
- The Advocate (Anderson)
- The Daily News, July 1891
- The Weekly, 1874
- The Daily Sun, July 25, 1891
- Two copies of Charleston's News and Courier, July 1 and 27
- An unidentifiable paper dated July 1891.

U.S. District Judge to speak tomorrow

U.S. District Judge Donald Russell speaks tomorrow on "The Responsibilities of Leadership."

The former S.C. governor who in 1964 signed the bill officially changing Clemson College's name to Clemson University will speak in Daniel Hall Auditorium at 3:30 p.m.

His talk is sponsored by the history and political science departments and the Strom Thurmond Institute. For more information, call 656-5363.

Briefly

Tickets available for April 8 Medallion dinner

Tickets for the upcoming Clemson Medallion dinner are available from the Alumni Center until April 1.

To order tickets, call the Alumni Center at 656-2345.

The April 8 dinner will recognize this year's recipients of Clemson's highest public honor -- former University Professor George H. Aull and Board of Trustees Chairman Louis P. Batson Jr.

Philosopher to speak

Professor Joseph C. Pitt of Virginia Tech's philosophy department will speak on "Technology Against the Philosophers" Tuesday, March 29, at 3:30 p.m. in Room 200 Hardin Hall as part of the philosophy and religion department's spring speaker series.

For more information, call the department at 656-3153.

Campus police sponsor defensive driving course

The University police department will sponsor its defensive driving course March 24 from 8:30 a.m. to 4:30 p.m., and March 30 and 31, from 5-9 p.m.

The eight-hour classroom course and the instructor are certified by the National Safety Council. If you successfully complete the course, up to four points can be reinstated on your S.C. driver's license.

Tuition is $25. The class is open to the first 25 applicants.

To enroll, send your name, address, telephone number and a $25 check made payable to Clemson University to: Defensive Driving, Clemson University Police Department, A Street, Clemson University, 29634.

For more information, call Lt. Ed Greene at 656-2222 between 7 a.m. and 3 p.m.

Last DAPS Day is March 24

Administrative Programming Services will present the last of its three DAPS Demonstration Days March 24.

The session, designed to demonstrate the wide range of services available from DAPS, will be held in the lobby of Poole Computer Center from 1:30 to 3 p.m.

Everyone is invited to attend.

For more information, call DAPS at 656-2353.

Biotechnology lectures to be given today, tomorrow

Scientists representing a major chemical company and a medical school will discuss aspects of the emerging field of biotechnology in a series of lecture-discussions here today and tomorrow.

All sessions are free and open to the public. Scheduled speakers and their topics are:

Today in 108 Strode Tower from 1:30-3 p.m., E.J. Brandt, regulatory compliance manager for the Monsanto Co. in St. Louis and Clemson adjunct professor of agronomy and soils and microbiology, will discuss private industry's perspective on regulatory guidelines covering the release of genetically engineered organisms in the environment.

Tomorrow in Newman Hall Auditorium from 1:45-3 p.m., Sidney Pestka, professor and chairman of molecular genetics and microbiology at Robert Wood Johnson Medical School in New Brunswick, N.J., will speak on "Interferon: Paving the Way for New Therapies." At 3 p.m. Pestka will be available for questions in F-149 Poole Agricultural Center.

Engineer to speak

On March 25, Professor Masayoshi Tomizuka of the University of California at Berkeley's mechanical engineering department will speak on "Digital Tracking Controllers and Their Applications to Mechanical Systems" at 2:30 p.m. in Room 300 Riggs Hall as part of the mechanical engineering department's spring seminar series.

For more information, call Professor James Brasseur at 656-5639.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, March 25 for April 6 issue.**

Clemson WEEKLY

Vol. 27, No. 27 March 30, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Jazz trumpeter Wynton Marsalis will appear in concert April 9 in Littlejohn Coliseum.

Tickets for the 8 p.m. show are $13.75 and are available at the University Union Box Office and usual ticket outlets.

For more information, call the Union at 656-2461.

Cornerstone removal on SCETV April 7

If you missed all the excitement when Tillman Hall's cornerstone was opened during spring break, you can see it on television next month.

The S. C. Educational Television Network is scheduled to air a story on the cornerstone removal and opening of the time capsule on the "Focus" segment at 7:52 p.m. Thursday, April 7.

"Focus" can be seen on any SCETV station in the state, including WNTV (Channel 29) in Greenville.

Botanical Garden festival to welcome spring's return

Clemson will formally welcome back spring this year by holding a public daylong "Concourse Botanique" April 9 at the University's Botanical Garden off U.S. 76.

This first-ever event marks the merger of the horticultural gardens and the forestry arboretum and will feature arts, crafts and music throughout the afternoon.

Editor Donald McKale and illustrator Kate Salley Palmer will be on hand to autograph copies *Tradition: A History of the Presidency of Clemson University.*

"This should give everyone the perfect opportunity to spend a spring day outside, enjoying art and fine music amid some very beautiful surroundings," says Ernie Denny, University horticulturist and Concourse organizer.

"We're very proud of the gardens and want to show them off."

Denny says the gardens should be in full bloom, boasting daffodils, tulips, azaleas, tulip magnolias, dogwoods and wildflowers.

Craft displays of quilting, combing and spinning wool, fabric and basket weaving, and shake splitting by local craftsmen will be featured throughout the day.

Seven area artists, including zoology Professor Sidney A. Gauthreaux, will exhibit original works.

At 1 p.m., *the Smiths* kick off musical entertainment with traditional American selections.

At 1:45 p.m., *the Clemson Recorder Society* — a wind ensemble — will present music ranging from baroque to pop.

At 3 p.m., the baroque ensemble *I Musici Del Piedmonte* will perform classical music.

At 3:45 p.m. *the Clemson Community Chorale* will sing hits of the '40s.

At 4:30 p.m., *the 5th Amendment* closes the show with country, western and gospel music.

Briefly

Tickets available for April 8 Medallion dinner

Tickets for the upcoming Clemson Medallion dinner are available from the Alumni Center until April 1.

To order tickets, call the Alumni Center at 656-2345.

The April 8 dinner will recognize this year's recipients of Clemson's highest public honor -- former University Professor George H. Aull and Board of Trustees Chairman Louis P. Batson Jr.

Mechanical engineering seminars announced

The mechanical engineering department will sponsor two lectures within the next few days as part of its spring seminar series.

On April 1, Professor Richard S. Figliola of Clemson's department of mechanical engineering, will speak on "Concepts of Rayleigh-Benard Convection."

On April 8, Leonard Weinstein of the NASA/Langley Research Center at Hampton, Virginia, will speak on "Measurement of Time Varying Three Dimensional Flow Structures."

All lectures will be held at 2:30 p.m. in Room 300 Riggs Hall.

For information, call Professor James Brasseur at 656-5639.

More move to the mall

The following personnel and departments have relocated to 338 University Square Mini Mall on Old Seneca Road:

—Associate Vice President for Facilities Planning and Management, 656-5845

—Property Management, 656-5845

—Director, Design and Engineering, 656-4922

The design and engineering department is now in 116 University Square Mini Mall, 656-4409

Author to speak on "The Thing" March 31

"The Thing" is the topic of a lecture tomorrow by best-selling author and Franklin and Marshall College English Professor Bob Russell.

The "Thing" he's going to talk about at 4 p.m. in Room 108 Strode Tower is actually a specially designed, talking computer for the blind. Blind since age five, Russell is quite familiar with this machine that tells blind users what information is on the screen.

His talk is sponsored by the English department and Poole Computer Center.

For more information, call Roger Rollin at 656-3030.

Nominations open for Alumni research award

Nominations are now being accepted for the 1988 Alumni Award for Distinguished Achievement in Research.

Sponsored by the Office of University Research, the award is open to any faculty member engaged in research (broadly defined as "scholarly or scientific inquiry") and is not limited to research in any particular disipline on campus.

The University Research Grant Committee, composed of representatives from each college, will serve as the selection committee. The winner will receive a $1,500 stipend from the Alumni Asociation, have his or her name engraved on a plaque displayed in Sikes Hall and will be recognized at the May commencement.

Nominations for this award must be received in the Office of University Research by April 22.

For more information, contact Chris Thurston at 656-2375.

Award deadline is April 1

Applications for the 25 Provost Research Awards valued at $2,000 are being accepted until April 1 by the University Research Grant Committee.

Any faculty member with a tenured/tenure track faculty title, with the exception of 1983-87 awardees (no more than one award may be presented to a given faculty member in any five-year period), may apply.

Application forms and instructions are available in the Office of University Research.

For details, call the Office of University Research at 656-2375.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, April 1 for April 13 issue.**

Becky Grant, an administrative specialist in the former Physical Plant, has good reason to smile. She won the $50 prize in the Rename the Physical Plant Contest.

Physical Plant changes its name

If you're having problems with a leaky faucet or need a room painted, don't call the Physical Plant.

Instead, call Facilities Maintenance and Operations. That's the new name for the former Physical Plant.

"We decided to change our name to more accurately reflect the job we do," says Superintendent of Buildings Gary Pringle. "A growing trend at university maintenance operations is to change the name because the term 'physical plant' has become dated.

The organization held a "Rename the Physical Plant Contest," and Becky Grant, an administrative specialist, came up with the new name and earned a $50 cash award in the process.

Pringle says all maintenance operations will remain in the same building on Klugh Ave. The telephone number is still 656-2186.

Commission on Classified Staff Affairs hears update on new association for black faculty, staff

At its March meeting, the Commission on Classified Staff Affairs heard a presentation on the Clemson University Black Faculty and Staff Association and elected an acting vice chairperson.

President Max Lennon and Professors Bevlee Watford and James Nyankori (CUBFSA vice president and president, respectively) updated the Commission on the recently formed association.

"Generally, we want to increase the University's awareness of and involvement in black concerns," said Watford, who listed four other specific objectives:

1) to enhance academic, professional and social potential among black faculty and staff,

2) to promote a nurturing climate for black student development,

3) to support and augment efforts to recruit and retain black faculty, staff and students,

4) to provide input to the administration on issues affecting blacks on campus.

"Minority issues are key issues for the University," said Lennon. "This is a positive step toward creating a positive, successful environment, and it will help us identify areas in which we can improve.

"Clemson is a first-class institution, and we will tolerate nothing less than first-class treatment for all our people."

CUBFSA is open to anyone interested in minority concerns and meets on the second Thursday of each month at 7 p.m. in Room 300 Sikes Hall. For more information, call Watford at 656-2703 or Nyankori at 656-2396.

In other business, the Commission:

- elected John Clemmens (representative from forestry) acting vice chairperson to replace Gary McCombs, who is leaving the University. Clemmens' term as vice chairperson ends this June.
- announced the resignation of meeting recorder and Commission alumni member Mary Ann Eddy, effective June 1988.
- heard an update from ex-officio member Ron Herrin on University recommendations for health insurance programs.

Livestock show, contest to be held April 2

The Block and Bridle Club, in cooperation with the animal science department, is sponsoring its annual Little North American Showmanship and Judging Contest April 2 at the Clemson Bull Test Station located off U.S. 76 across from Tri-County Technical College.

Any young person interested in livestock is invited to participate free of charge.

For more information, contact Kevin Yon at 656-5157.

Do you need to file a new W-4 form?

It's that time of year again — tax time — and if you're one of these three groups of employees, you should file a new W-4 form for 1988:

• *Employees whose personal situations have changed.*

If you've married or divorced,

if your number of dependents has changed,

if your non-wage income as increased or decreased substantially — file a new form.

• *Employees affected by certain provisions of the Tax Reform Act of 1986, which are just now going into effect.*

If you are elderly or blind and claimed the additional allowance for non-itemizers on your 1987 tax form,

if you claim yourself as head of household on your 1988 tax form,

if you are a dual wage earner (you and spouse work or you have more than one job) ,

if you used itemized deductions to figure your withholding allowances for 1987 — file a new form.

• *Employees who were underwithheld for part, or most, of 1987 because they filed a form later in the year and adjusted by being overwithheld for the rest of the year.*

"There is no requirement that every employee refile a W-4 form for 1988," says Payroll Manager Carl Henson, "but it would be a good idea for employees to review their withholding situation to be sure enough tax is being withheld for this year."

Henson says Internal Revenue Service publication 919, Is My Withholding Correct for 1988?, may be helpful in determining any changes you may need to make. To receive the publication, you can call the IRS at 1-800-424-3676.

To get a new W-4 form, call the Payroll and Insurance Office at 656-2000.

College of Nursing names director of development

Teresa Farris

the new director of development for the College of Nursing

A director of development has been named for the College of Nursing.

Teresa C. Farris, former director of corporate and foundation relations at the College of Charleston, assumed her position here earlier this month.

As director, she will implement major fund-raising campaigns for the College of Nursing directed toward corporate, foundation and individual donors.

Farris, who has seven years experience in development activities, most recently coordinated fund-raising projects for the College of Charleston.

She was the statewide fund-raising coordinator for the S.C. Educational Television Network, producing a number of live broadcast fund-raising events.

She is a 1979 graduate of the University of South Carolina with a bachelor's degree in humanities, social sciences and media arts.

She currently is working toward a master's degree in clinical psychology.

Heck named director at computer center

Charles C. Heck has been named director of consulting and technical services in the Division of Computing and Information Technology.

He has been acting director since last May, managing the Poole Computer Center.

Heck supervises all service areas, including the Help Desk and the Front Desk areas of Poole Center. He also supervises and consults for office systems and Unix and the off-campus computer network. In addition, he is responsible for all the remote computing facilities and laboratories on campus.

Heck earned a bachelor's degree in economics from Clemson in 1971 and has done graduate work in computer science.

Charles C. Heck

the new director of consulting and technical services at Poole Computer Center

Clemson

EVENTS

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

April

March 31-April 2
Film: "Raising Arizona." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

3
Easter.

Film: "Lady and the Tramp." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

4
Film: "El Amor Brujo." Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

4-8
Preregistration.

5-21
Short Course: Women's Self Defense. Sponsored by University Union (656-2461), Tuesdays and Thursdays, 2:30-4 p.m., $60.

6
Centennial Flag Raising Ceremony: Sponsored by Centennial Committee (656-3022), noon, in front of Tillman Hall.

Founder's Day Prayer Service: Sponsored by Centennial Committee (656-3022), 5 p.m., St. Paul's Episcopal Church, Pendleton.

Film: "Angel Heart." Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

Lecture: "The Science Question in Feminism," by Sandra Harding. Sponsored by Women's Studies Committee (656-3022), 3:30 p.m., 200 Hardin Hall, free.

6-May 31
Exhibit: A History of the Clemson University Library. Sponsored by Centennial Committee (656-3022), Cooper Library.

7
Clemson University Chorus: Centennial Concert. Sponsored by Centennial Committee and performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

Lecture: "Building Communities – One House at a Time" by Tom Hall, director of volunteers for Habitat for Humanity. Sponsored by Strom Thurmond Institute and College of Architecture (656-4700) 7:30 p.m., Lyles Auditorium, free. Reception follows.

7-9
Film: "The Untouchables." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

8-30
Art Exhibit: Thomas Green Clemson's Art Collection. Sponsored by Centennial Committee (656-3022), 8 a.m.- 4:30 p.m., Alumni Center, free.

9
Honors and Awards Day.

Concert: Wynton Marsalis, jazz trumpeter. Sponsored by University Union (656-2461), 8 p.m., Littlejohn Coliseum, $13.75.

10
Greenville Symphony Orchestra Concert. Sponsored by Centennial Committee (656-3022), 3 p.m., Outdoor Theater.

International Food Fest: "A Taste of Clemson." Sponsored by Student Government and Centennial Committee (656-3022), 1:30 p.m., location tba.

Film: "The Godfather." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

11
President's Honors Lecture: "The University and the Arts" by Beverly Sills. Sponsored by Calhoun College (656-4762), 7:30 p.m., Tillman Hall Auditorium, free.

Lecture: Ralph Neas, executive director of the Leadership Conference on Civil Rights. Sponsored by Strom Thurmond Institute (656-4700), 3:30 p.m., Lyles Auditorium, free.

Film: "Hour of the Star." Sponsored by University Union (656-2461), 8 p.m., Y-Theater, free.

Film and Lecture: "Hora na Estrela," by Suzana Amaral. Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

12
Film: "The Most Memorable Season." Sponsored by University Union and Chinese Student Association (656-2461), 7 p.m., Y-Theater, free.

12-16
Clemson Players' Production: "Inherit The Wind," directed by Clifton Egan. Sponsored by performing arts department (656-3043), 8 p.m., Daniel Hall Auditorium (matinee April 14 at 3:30 p.m.), $4 public, $2 faculty/staff, students free.

13
Meeting: Women In Higher Education Network, with James Miller, state extension leader, agriculture personnel, noon-1 p.m., Golden Corral restaurant (656-4990).

13
Film: "9 1/2 Weeks." Sponsored by University Union (656-2461), 7:30 p.m., Y-Theater, $2.

14-16
Film: "Wall Street." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

15
Discussion: "Sexually Speaking" with Dr. Ruth Westheimer. Sponsored by University Union (656-2461), 6 p.m., Outdoor Theater, free. (Rescheduled)

Clemson Dancers Concert: "Kinetic Theatre Dance Ensemble." 7:30 p.m., Tillman Hall Auditorium, free (656-2209).

16
Concert: "The Elements." Sponsored by University Union (656-2461), 6 p.m., Outdoor Theater, free.

17
Film: "Summer School." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

Clemson University Symphonic Band. Sponsored by performing arts department (656-3043), 3 p.m., Outdoor Theater (4 p.m. in Tillman Hall Auditorium in event of inclement weather), free.

18
Applied Music Student Recital. Sponsored by performing arts department (656-3043), 7:30 p.m., Daniel Hall Auditorium, free.

Performing Artist Series: Theatre Ballet of Canada. Sponsored by University Union (656-2461), 8 p.m., Tillman Hall Auditorium, $8 public, $5 students/senior citizens.

Film: "La Chevre." Sponsored by languages department (656-3393), 7:30 p.m., 313 Daniel Hall, free.

Film: "North by Northwest." Sponsored by University Union (656-2461), 7 p.m., Y-Theater, $1.

19-20
Concert: Lillian and Robert Utsey Chamber Music Series: Lillian Harder and Sharon Sawyer, duo-pianists. Sponsored by performing arts department (654-3138), 8 p.m., Daniel Hall Auditorium, free.

21
Clemson University Jazz Ensemble. Sponsored by performing arts department (656-3043), 8 p.m., Tillman Hall Auditorium, free.

21-23
Film: "Planes, Trains, and Automobiles." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, $1.75.

22
Last class day.

24
Film: "The Graduate." Sponsored by University Union (656-2461), 7 & 9:15 p.m., Y-Theater, students free.

25-30
Final examinations.

25-May 23
Student Honors Exhibition. Sponsored by College of Architecture and Clemson Architectural Foundation (656-3081), 9 a.m.-4:30 p.m., weekdays, 2-5 p.m., Sundays, free.

May

5
Clemson Board of Trustees Centennial Meeting. Sponsored by Centennial Committee (656-3022), Fort Hill grounds, time TBA, free.

6
Graduation, 11 a.m., Littlejohn Coliseum.

Clemson
CENTENNIAL SPECIAL
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY April 5, 1988

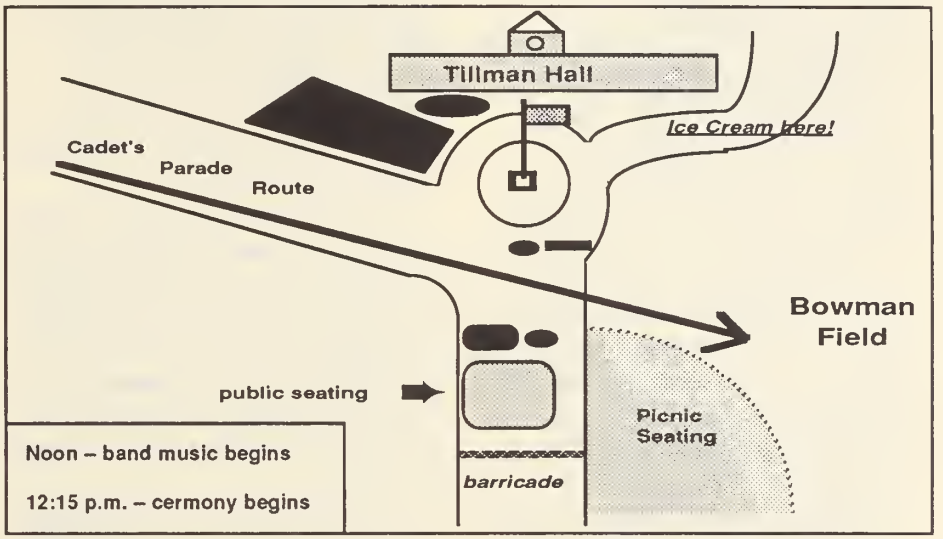
Centennial kicks off with April 6 flag raising

There's going to be a party on Bowman Field Wednesday – a birthday party – complete with free ice cream, band music and a parade.

12:20 p.m. classes have been cancelled, so bring a bag lunch and enjoy the special 30-minute ceremony which kicks off the 20-month celebration of the University's 100th birthday.

The ceremony, reminiscent of Clemson's early cadet parade days, will pay tribute to Clemson's land-grant heritage as a military institution with military music from the Clemson Tiger Band, a battery salute of four 75 mm Pack Howitzers from Fort Jackson in Columbia and a fly-over of four F-16s from Shaw Air Force Base in Sumter. Ice cream will be provided courtesy of the College of Agricultural Sciences.

Also, Army and Air Force ROTC cadets will parade past a reviewing stand and onto Bowman Field, where generations of cadets have marched since the first class enrolled in 1893.



Public and picnic seating (in gray) are the places to be April 6.

Angelique Clemson

In a special ceremony, 21-year-old Angelique Clemson, a senior microbiology major from Bellefonte, Pa., and a distant cousin of the University's founder, will raise the Centennial flag, which will fly alongside national and state flags that have flown over the U.S. and state Capitols.

Also participating in the campus opening ceremonies will be U.S. Sens. Strom Thurmond and Ernest F. Hollings, and Rep. Butler Derrick.

(In case of rain, the ceremony will be held in Tillman Hall.)

Ceremonies scheduled for later in the day include a Founder's Day Service at 5 p.m. at St. Paul's Episcopal Church in Pendleton, where Thomas Green Clemson is buried. A Centennial wreath will be placed at his grave.

Also beginning Wednesday is a library display entitled "A History of the Clemson University Library." The exhibit will be displayed in the Cooper Library through May 31.

University and the Arts is celebration's first-phase theme

The first phase of Clemson's Centennial observance focuses on "the University and the Arts."

In keeping with that theme, the early weeks of the celebration this spring feature lectures, performances and programs emphasizing the arts.

On **April 7**, the Clemson University Chorus continues the festivities with a free concert at 8 p.m. in Tillman Hall Auditorium.

On **April 8**, the 1988 Clemson

Continued on p. 2

Centennial (continued)

Medallion awards dinner will be held at 7 p.m. in Littlejohn Coliseum.

April 8 is also the opening date of the exhibition of the 26 paintings in the Thomas Green Clemson art collection. The paintings will be on exhibit in the Alumni Center through the month.

On **April 10**, the Centennial kickoff continues with a free concert by the Greenville Symphony Orchestra at 3 p.m. in the Outdoor Theater.

On **April 11**, Beverly Sills, director of the New York City Opera, will deliver a free public lecture on "The University and the Arts" at 8 p.m. in Tillman Hall Auditorium. A public reception will follow.

On **April 17**, the Clemson University Symphonic Band will hold its ever-popular annual picnic concert in the Outdoor Theater at 3 p.m. (In case of rain the concert will be at 4 p.m. in Tillman Hall Auditorium.)

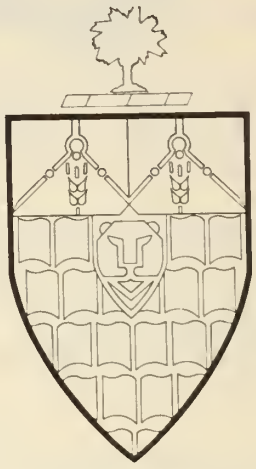
On **April 19**, pianists Lillian Harder and Sharon Sawyer will present a free public concert at 8 p.m. in Daniel Hall Auditorium, featuring music popular during the time of Clemson's establishment.

On **April 20**, a highway marker in honor of Col. R.W. Simpson, first chairman of the Clemson Board of Trustees, will be dedicated at 2 p.m. at the Simpson family cemetery on S.C. Highway 115 near Pendleton.

Vice Provost Jerry Reel, coordinator of Clemson's Centennial celebration, says the University's goal was to provide a variety of arts-related activities, many open to the public at no charge, in order to emphasize Clemson's ongoing interest in and support of the arts.

"As a land-grant university, the University's mission is not just to teach the sciences and other technical disciplines," says Reel. "The arts have always had a place at Clemson, and that will not change as we enter the next century."

Then, as now, baseball proved a popular pastime among Clemson students. Here Clemson College cadets spend the afternoon with a game on Bowman Field in this photograph taken around 1905.



Clemson's coat of arms

University adopts coat of arms

In addition to a Centennial flag, a University coat of arms has been designed.

Both were developed with the intent that they become official University symbols.

The coat of arms was designed by University graphic artist Connie Floyd and Vice Provost for Undergraduate Studies Jerome V. Reel Jr.

The shield format of the coat of arms uses the same symbols as the flag in different pattern. One additional symbol appears on the coat of arms: a Palmetto tree has been added to symbolize the state of South Carolina.

Jniversity unfurls Centennial flag for first time

For the first time in its 100-year istory, Clemson University has dopted an official flag and a coat f arms.

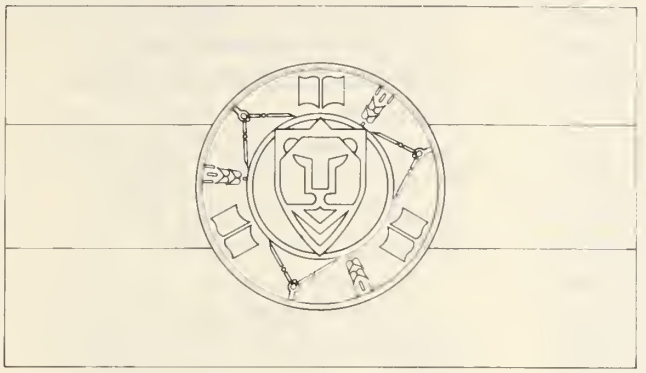
Both were designed by histo- an Jerry Reel, vice provost for ndergraduate studies, and raphic artist Connie Floyd of the ublications and graphics depart- nent.

The new symbols were dopted last fall by the Board of rustees.

"This is just the look we were ying to capture," says Reel. Connie did a superb job of xpressing, in symbol, the Cen- ennial theme of 'Tradition and ision.'"

The flag's design employs three ands of color: orange, white, nd purple.

The three colors, explains Reel, represent three of the four olors associated with the Univer- sity, as well as the three regions of South Carolina.



The Centennial flag will fly across the state April 6 in honor of Clemson's 100 years of public service.

Reel says orange symbolizes the Upstate with its "red hills and cotton." White symbolizes the sandhills of the Midlands, and purple represents the rich colors of the trees and waters of the Lowcountry.

Positioned in the middle of the flag, and touching all three bands of color, is a circle of metallic gold, the fourth color associated with Clemson. In the middle of the circle is a stylized tiger, Clemson's mascot, which is surrounded by a pattern of three symbols.

The stylized open books symbolize teaching "as the basis of the land grant university," says Reel. The sets of calipers represent the measurement system for research, and the sheaves of wheat remind us of Clemson's traditions in agriculture and in Extension.

The three symbols also represent the humanities, technology, and science. And there are three sets of the three symbols, for a total of nine, representing the nine colleges of the University.

With its highly stylized design, the flag has a contemporary feel. At the same time, Reel sees in it a medieval look, thanks to the stern tiger which glares from its center.

"We wanted to remind everybody that Clemson is a statewide institution," says Reel.

"We have an office in each county, and we serve all the people of South Carolina through research, education and public service. We wanted to say 'that's us," says Reel, "and we're everywhere.'"

University graphic artist Connie Floyd and Vice Provost for Undergraduate Studies Jerry Reel collaborated to design the University's Centenial flag and the coat of arms.

Special parking available for Centennial events

Special parking will be available for Centennial events during April, says the director of Parking and Vehicle Registration.

Flag raising

For the April 6 flag-raising ceremony at Tillman Hall, the street from the four-way stop at Sikes to the intersection of Fort Hill and Calhoun Streets (near Brackett Hall) will be barricaded, as will Alumni Circle (for special guest parking at the Alumni Center), says Bill Pace.

"For that day, faculty and staff who normally park on Calhoun Drive and around Tillman Hall, should plan to arrive on campus a little ealier than usual and park near the Clemson House or in the Physical Plant lot," he says.

Pace says vehicles should not be parked beside yellow curbs to prevent possible traffic hazards.

Parking for other events will be:

Tillman Hall Auditorium

• If you're attending the *University Chorus Concert April 7*, you may park:
1) in marked spaces located on the west side of Sikes Hall
2) in the parking lot between Sikes and Long Halls.

• If you're attending the *Beverly Sills lecture April 11*, you may park:
1) in the parking lot between Sikes and Long Halls (It will be barricaded at 4:30 p.m. April 11 to make sure that parking is avaiable).
2) in marked spaces along Parkway Drive (towards the President's Home).
3) in marked spaces at the Clemson House.

Daniel Hall Auditorium

• If you're attending the *Clemson Players invitation-only performance of "Inherit the Wind" April 9* or the *Lillian Harder-Sharon Sawyer piano concert April 19*, you may park:
1) in marked spaces in the east Library parking lot (which will be reserved all day April 9),
2) in marked spaces along South Palmetto Boulevard,
3) in the parking lots located south of Alumni Park (near the intersection of South Palmetto Boulevard and Cherry Road).

Outdoor Theater

• If you're attending the *Greenville Symphony concert April 10* or the *University Symphonic Band concert April 17*, you may park:
1) in the parking lot between Sikes and Long Halls.
2) in the east Library parking lot,
3) in marked spaces along South Palmetto Boulevard,
4) in the parking lots located south of Alumni Park (near the intersection of South Palmetto Boulevard and Cherry Road).

Beverly Sills will appear in Tillman Hall April 11.

Thomas Green Clemson spends an afternoon relaxing on his front porch in this 1880s photograph.

Footpath lets you retrace Clemson's history

If you go looking for Clemson's new Centennial Footpath, you might discover it difficult to find.

That's because the trail, designed by 1986 graduate Lori Hassell, is marked only on a map. But that's about to change.

The Class of 1988, the first to be designated a "Centennial Class," has adopted the trail as its class project. The students will be raising money this spring to provide trail markers.

The Centennial Footpath is a carefully planned route that offers a new and invigorating way to look at Clemson's past while walking into its future.

Funded by the W. K. Kellogg Foundation, the trail's planning was a cooperative effort involving the departments of history and horticulture.

Historian William Steirer and Mary Haque, a landscape designer, advised Hassell in designing the path.

The project won a Southern regional competition, and Hassell was runner-up in a national student design competition sponsored by the American Society of Horticultural Science.

To walk the trail's entire length takes about two hours, although two shorter loops can be hiked in just 15 to 20 minutes each.

The long path begins at the Visitors Center in Tillman Hall, where hikers can pick up a map and brochure containing information about the 20 points of historical and agricultural interest along the course.

From Tillman, the path heads east past Sikes Hall, through Trustee Park in front of the President's Home and across the old pecan grove, the only living remnant of the first horticultural fruit and nut experiment station on campus.

At the Botanical Garden, hikers can run the new athletic department jogging trails or cut across the old cow pastures toward the peach orchards and to historic Fort Rutledge.

The trail then marches along the top of the dikes at Lake Hartwell and heads back toward campus, past the Calhoun Mansion and back to Tillman.

A 1920s painting shows what the Fort Hill plantation looked like a century or more ago.

A college by any other name...

Three others in history might stake a legitimate claim for the title of "Clemson's other founder."

Thomas Clemson's wife, Anna Maria Calhoun, was as dedicated as her husband to the idea that South Carolina needed an agricultural and scientific college.

Her will set up the same bequest as his, but Clemson outlived her to become the founder.

Two others instrumental in establishing the institution were Col. Richard W. Simpson — Clemson's attorney and first chairman of the Board of Trustees — and South Carolina's famous populist politician Benjamin Ryan "Pitchfork Ben" Tillman.

The will called for a 13-member Board of seven appointed Life Trustees and six elected by the legislature.

Those original seven met on May 2, 1888, under a tree at Fort Hill later known as the "Trustee Oak," where they planned to turn Clemson's vision into reality.

The bequest

The legislature was formally notified of Clemson's bequest, and the idea of creating a separate agricultural college soon became a heated political issue.

Tillman had tried for years to get South Carolina College (now the University of South Carolina) to add "practical" agricultural and scientific subjects to its "literary" educational program. He finally gave up and began advocating a separate institution to educate the sons of small farmers.

Clemson and Tillman met only once, but they shared a common dream. When Clemson rewrote his will that year, he added Tillman to the list of Life Trustees.

Fierce opposition

Opposition to Clemson's bequest developed from partisans of The Citadel and South Carolina College (which by that time had begun an agriculture program and stood to lose federal funds for it) and from those wanting to name the college for John C. Calhoun, not his Yankee son-in-law.

After bitter debate and a floor fight, Tillman's forces prevailed by one vote and an Act of Acceptance was passed in December 1888. After some legal challenges were resolved, Gov. John P. Richardson signed into law on Nov. 27, 1889, the act creating "Clemson Agricultural College."

The beginning

In 1890, the 13 Trustees selected Henry Aubrey Strode as the college's first president. Later that year, the S.C. Agricultural Experiment Station was established.

Funds for the school's first buildings came from a manufacturer's tax on fertilizer and cash sales from the farm. The Morrill Land Grant Act and the Hatch Act allotted states $15,000 a year for agricultural research.

The first students did not arrive for another three years. On July 6, 1893, 446 enrolled at the all-male, military academy. There were two departments — the agricultural department and the mechanical (engineering) department. Clemson's first graduating class, 37 in all, received their diplomas on Dec. 16, 1896.

Clemson today

Today, student enrollment is more than 13,800, including almost 3,000 graduate students. With nine academic colleges, Clemson offers 62 undergraduate and 61 graduate curricula.

Although known informally as "Clemson A&M," the only official names have been: Clemson Agricultural College and Clemson University (in 1964).

Fire destroyed Sikes Hall, as shown in a 1925 photograph.

Tradition traces presidential progression

As the 20-month Centennial celebration begins, a book by faculty members traces the "human stories" that have shaped the school's leadership for nearly 100 years.

Tradition: A History of the Presidency of Clemson University is a series of biographical essays on Clemson's 10 past presidents and two temporary chief executives. It will be published in April.

The aim, says editor and history Professor Donald M. McKale, was to tell the story of Clemson's growth and development in human terms.

"The great appeal of this book is its human story," says McKale. "Because Clemson presidents have been such an integral part of the University, their careers reflect its development and history.

"It's easier to identify with other human beings than with an institution, because you can empathize with people."

After a chapter on founder Thomas Green Clemson, the book opens with the story of Henry Aubrey Strode (1890-93), who began the work of turning a plantation into a college campus.

The essays conclude with Walter Thompson Cox (1985-86), whose presidency followed a particularly stormy period in Clemson history and who boosted the morale and restored the confidence of the University in preparation for its second century.

President Max Lennon provided the afterword.

The book's purpose is twofold.

It documents Clemson's development from a concept waiting to be realized to a major university emerging as a leading center of teaching and research.

Simultaneously, *Tradition* traces the evolution of Clemson's presidency from a job that initially involved supervising the details of building classrooms and stables to a post that now provides educational and economic leadership with statewide, national and international influence.

McKale says the presidency has grown stronger over the years from those early presidents who were basically viewed as "first among equals" on the faculty.

"But today," he says, "the president is looked upon as a person with authority to run the University."

Tradition, was made possible by a grant from the University's Centennial Committee.

Copies, at $35 each, are available from Mercer University Press, Macon, Ga. 31207.

Clemson's chief executives as depicted by *Tradition* artist Kate Salley Palmer.

Clemson University – the vision of a lifetime

Thomas Green Clemson

Clemson, the institution, is familiar to all South Carolinians, but Thomas Green Clemson, our founder, is less well known.

Born in Philadephia in 1807, Clemson was a chemist, mining engineer and diplomat, one of the most well educated men of his day. However, he had to go to Europe to get the kind of scientific education he desired.

As a young man, Clemson studied in Paris at the Royal School of Mines and the Sorbonne and received his diploma as an assayer from the Royal Mint.

Throughout his life, he struggled to make that type of education available to America's young people. He became more and more convinced that agricultural and economic prosperity depended on it.

"There is no hope for the South short of widespread scientific education," he wrote in the desperate days after the Civil War.

His dream remained unrealized during his lifetime but was accomplished through his last will and testament after his death on April 6, 1888.

The Calhoun connection

Clemson's connection to South Carolina began when he met and fell in love with Anna Maria Calhoun, daughter of South Carolina's most famous statesman, John C. Calhoun.

Following their marriage in 1838, Clemson turned his attention, intellect and scientific training to agriculture and the management of Calhoun's upcountry plantation, Fort Hill. He bought his own plantation near Edgefield in 1843, but the next year was called to diplomatic service as Charge d'Affairs (ambassador) to the Kingdom of Belgium.

After returning to the United States in 1852, Clemson bought a small farm in Prince Georges County, Maryland, four miles from the capital. There he engaged in experimental agriculture and published many papers on soil chemistry.

Clemson was soon involved in the historical movement to establish scientific and agricultural education as a national priority. He supported the founding of an agricultural college that later became the University of Maryland and was a strong supporter of the Morrill Land Grant College Act.

First agriculture secretary

In 1860, Clemson was appointed to the U.S. Patent Office as superintendent of agricultural affairs. He was the first to hold that post, the forerunner of today's secretary of agriculture. He submitted a plan for the establishment of a federal department of agriculture but gave up his federal post when the Civil War began and returned to South Carolina with his wife's family.

Clemson lived out the remainder of his life at Fort Hill, surrounded by poverty and the bitter fruits of war. He outlived all his descendants except for one granddaughter.

More convinced than ever of the need for scientific research and education, Clemson wrote in the late 1860s: "Our condition is wretched in the extreme. Everyone is in trouble, many ruined, and others are quitting the country in despair.

"There is, in my opinion, no hope for the South short of widespread scientific education," he concluded.

The need was there, but the resources were not. He lobbied the state legislature for establishment of an agricultural college and was bitterly disappointed when his efforts failed within his lifetime. At one point, after the deaths of his wife and son, he even thought of selling the Calhoun home and returning to Europe.

Fortunately, Clemson held on to Fort Hill until his own death on April 6, 1888, the date now observed by Clemson University as Founder's Day.

The will

In his will, Clemson left his home, 814-acre plantation and assets valued at about $80,000 to the state of South Carolina to establish Clemson Agricultural College.

Clemson
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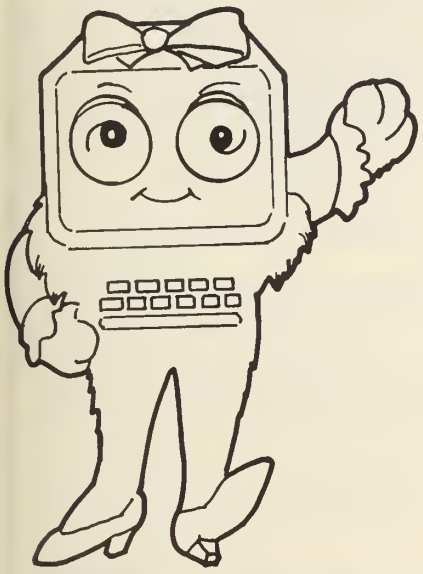
Say hello to DORIS at the Cooper Library



DORIS

If you just don't have the strength left to haul down and flip through one more hefty periodical index in the Library, let DORIS do it for you.

A joint project of the Library and Administrative Programming Services, DORIS is the Library's new Document On-line Retrieval Information System and she can find what you're looking for by memory.

"DORIS lets users access databases of local information as well as files of citations of reports and periodical articles compiled in outside data bases," says associate director of Libraries Rich Meyer.

"DORIS is just as user-friendly as LUIS (Library User Informationa Service), and the two can be used in tandem to make finding information much faster. You can find citations to articles using DORIS and then use LUIS to see if the Library has an available copy."

Like LUIS, you can access DORIS from terminals in the Library or from almost any computer on campus that is hooked into the NAS or VAX computer networks (which also let you use LUIS, CUFAN and videotex).

Accessible data bases include Agricola (a national agricultural research data base), minutes of the Faculty Senate and the Commission on Classified Staff Affairs, and the campus telephone and address directory, says DAPS director George Alexander.

"For example, once you're in the electronic telephone directory, you can look up someone's number faster than you could by using the paper directory," he says. "Also, you could search for people by their first names (if that's all you knew), or you could search for a particular number to see whose it is."

Alexander says other information to be added soon includes the Robotix index (an index of engineering information related to robotics, computers, artificial intelligence and other similar areas), the University Personnel Manual and the University Business Manual.

For information on DORIS, call the Library at 656-3024.

To give DORIS a try, do the following:

From a NAS terminal, select the "DORIS" option from the menu screen.

From a VAX terminal, type "DORIS" after the $ prompt.

Sunday afternoon festival to feature international students, food, culture

Imagine authentic sizzling shishkebab, crispy fresh egg rolls, outrageously tempting baklava — all at the University.

Have we hired a gourmet cook for Harcombe Dining Hall?

Not quite. But close.

As part of the University's Centennial celebration, the Office of International Programs and Services along with Student Government will present their first International Food Festival outside the Cooper Library Sunday, April 10 at 1:30 p.m.

The festival will precede a performance by the Greenville Symphony Orchestra in the Outdoor Theater.

The festival will feature food from China, Denmark, Germany, Ireland, Egypt, Canada, India, Indonesia, South Korea and native America.

In addition, international students plan to set up booths displaying arts and crafts from their respective countries.

For details, call Frankie Felder, acting assistant dean of the Office of International Programs and Services, at 656-2457.

Briefly

Faculty meeting time changed from 10 to 8 a.m.

The time for the general faculty meeting Thursday, May 5, in Tillman Hall Auditorium has been changed from 10 a.m. to 8 a.m. to avoid conflict with the Centennial Meeting of the Board of Trustees.

Habitat director to speak

Tom Hall, director of volunteers for Habitat for Humanity, will speak on "Building Communities-One House at a Time" Thursday, April 7, at 7:30 p.m. in Lyles Auditorium.

The program, sponsored by the College of Architecture, is free and open to the public. A reception in Lee Hall gallery will follow the lecture.

Hearing, vision testing offered at Nursing Center

University employees and members of their families are eligible for special rates for hearing and vision testing offered until the end of this semester by the Nursing Center.

Hearing and vision screenings are $7 (a savings of $3). Either is $3.50 (a savings of $1.50).

For more information or to make an appointment, call the Nursing Center at 656-3076.

Health and nutrition experts to speak during next week

Two nationally known experts in health and nutrition will speak here during the next week in a pair of seminars sponsored by Clemson's nutrition program.

On Thursday, April 7, Dr. David Kritchevsky, researcher at the Wistar Institute in Philadelphia, will discuss diet and cancer at 4 p.m. in Poole Agricultural Center Auditorium.

On Thursday, April 14, Thomas Clarkson, primate laboratory director of the Bowman Gray Medical School in Winston-Salem, N.C., will discuss an overview of diet and coronary heart disease at 4 p.m. in Poole Agricultural Center Auditorium.

Each lecture is free and open to the public.

For more information, contact Clemson food scientist Don Turk at 656-5699.

Get discount tickets for Six Flags at Union

Discount tickets for the Friday, April 15, College Night at Six Flags Over Georgia are available in the University Union.

This special preview of the summer's attractions lasts from 6 p.m. to midnight and is available to all faculty, staff and students. The park will not be open to the public that evening.

Tickets can be purchased at the Union Info Desk or in the Travel Center for $10.50 (saving you $7.70 off regular admission price).

With a ticket purchase, you also receive a free parking pass (saving $3 per carload) and a free ticket to Six Flags for any Sunday in May or June.

For information, call 656-2461.

Schwartz named Father of the Year

A man with 25 years' attachment to Clemson was named the Student Alumni Council's 1988 Father of the Year during a ceremony at halftime of the Orange and White football game April 2.

Vice Provost Arnold E. Schwartz, dean of the Graduate School and father of three Clemson alumni and three current Clemson students, was selected because of his "demonstrated commitment to and faith in Clemson's academic excellence."

Schwartz came here in 1963 as an assistant professor of civil engineering. He's been dean of the Graduate School since 1969.

He and his wife, Carol, an assistant professor of nursing, have three Clemson daughters: Linda '83, Lisa '86 and Melissa, a sophomore; and three Clemson sons: Steve '83, Richard, a senior, and Jeff, a junior.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, April 8 for April 20 issue.**

Eight become certified professional secretaries

Eight University employees became certified professional secretaries recently and overwhelmingly surpassed the national average in the process.

"Nationally only 2 percent of those who take the entire exam pass it the first time. We were overwhelmed by the fact that we had better than a 60 percent success rate here," says Linda Brady, president of the Clemson chapter of Professional Secretaries International.

"I think our combination of well-structured courses and super instructors made the difference."

The eight who were certifed are:

Helen Arterburn, administrative specialist in the School of Accountancy;

Linda Brady, administrative specialist in the finance department;

Sandra Burkett, business associate, and **Lois Driver**, executive support specialist in the College of Liberal Arts;

Kylene Gravely, office supervisor in purchasing and supply services;

Newly certified secretaries and their supervisors are: *(bottom row, left to right)* Kylene Gravely, Linda Brady, Helen Arterburn, Roberta James, Lois Driver, Sandra Burkett, Pat Durham, Rhonda Roper. *(Top row, left to right)* Jimmy Boleman, Rodney Mabry, Jerry Trapnell, John Newton, Robert Waller, Roger Liska, and President Max Lennon.

Pat Durham, administrative specialist in the building science department;

Roberta James, executive secretary to the associate vice president for personnel and development; and

Rhonda Roper, administrative assistant for the vice president for business and finance.

Courses offered by PSI include business law, economics and management, accounting, office administration and communications, office technology, and behavorial science in business. Each course meets for two hours one night a week. Three courses are offered each semester.

"Most participating secretaries have background knowledge in these areas but wish to bring their skills up to date," says Brady. She says the courses could benefit anyone in clerical or administrative positions as well.

The Institute for Certifying Secretaries, a division of PSI, is offering these classes in response to a request by the Personnel Office.

Brady says the exam is an intensive two-day test to evaluate knowledge in each course area. It is divided into six areas that can be taken separately.

For information on certification or PSI, call Brady at 656-2249.

Clemson Players have new ticket policy

Here's a twist: People are replacing machines, for a change.

The performing arts department has a new procedure for reserving Clemson Players tickets.

Whereas in the past, reservations were taken by a telephone answering machine, you can now talk to a real, live person when reserving your ticket.

The box office, located in the foyer of Daniel Hall Auditorium, will be open weekdays from 1 to 9 p.m. beginning a week in advance of each performance period.

You can simply stop by and purchase a ticket then or call 656-2476 during those same hours to reserve tickets by phone.

The answering machine will still be used for times when the box office isn't open, but its message will tell you about the new policy and when you can call back for tickets.

The new policy will be in effect for the April 12-16 run of "Inherit the Wind."

Watch cornerstone on TV

If you missed all the excitement when Tillman Hall's cornerstone was opened, you can see it on S. C. Educational Television Thursday on "Focus" at 7:52 p.m.

Employee suggestion program pays off

If you've ever wondered why the University uses seemingly inefficient or uneconomical procedures, or if you've often thought to yourself, "I know a better way of doing that," then the University has a way for you to constructively - and politely - vent your frustrations and make a little money at the same time.

The Employee Suggestion Program, sponsored by the Personnel Office, is a program available to any University employee who believes he or she knows a safer or more efficient way to do things. Any employee with a helpful suggestion is encouraged to submit it to the program.

"Employees often can provide the best suggestions for improvement because they deal with University procedure everyday," says Dick Simmons of the Employee Suggestion Committee.

Bernice Holt, a manuscript curator for the Cooper Library, recently was awarded $50 for her suggestion that the University use vinegar instead of bleach to remove mold and mildew from campus basements and lower-level facilities.

Although bleach and vinegar cost approximately the same amount, vinegar is much safer because it's not as noxious as bleach, Simmons says, therefore workers can clean with much less discomfort than before.

"We were happy to receive Mrs. Holt's recommendation, and it has worked extremely well. The Employee Suggestion Committee encourages all employees to submit suggestions to help improve the University," he says.

To submit ideas, call Simmons at 656-3358.

Bernice Holt is the first award winner in the University's employee suggestion program.

Pictured here with award committee chairman Mark Eisengrein (left), President Max Lennon and Superintendant of Buildings Gary Pringle (right), Holt received a certificate and a $50 cash award for her suggestion to replace chlorine-based cleaning chemicals with vinegar for mildew removal.

Visitors Center names new assistant manager

Helen Adams

the new assistant manger of the Visitors Center

Helen Adams has been named assistant manger of the Visitors Center.

Her duties will include scheduling tours for school groups, prospective students and their families, and the public, as well as coordinating the volunteer guide service and providing campus information to visitors.

A 1986 Clemson graduate in parks, recreation and tourism management, Adams returns to her alma mater from the Greater Greenville Convention and Visitors Bureau, where she served as a group travel/convention services manager.

She succeeds Polly Laffitte, who has been named an assistant curator of art for the State Museum in Columbia.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Clemson to offer Japanese for the first time

The languages department will add a new dimension this summer when it begins teaching the University's first Japanese courses.

During the first session of summer school, the department will offer an intensive 8-credit course in first-year, basic Japanese. Beginning this fall, the courses will be taught on a regular basis.

The courses will be taught by Toshiko Kishimoto, a native of Japan who teaches at the Japanese School in Atlanta and who has taught Japanese at other South Carolina colleges. She holds a master's degree from the University of Massachusetts.

Kishimoto says the course will be essentially the same as any language — basic grammar, translation and conversation. She hopes to add a cultural dimension as well.

"The culture of a country really goes hand in hand with the language," she says. "We want the students to experience a bit of Japanese life, perhaps through study of art, food and other aspects of Japanese culture.

Preregistration for summer and fall courses has already begun. Melton says she expects the Japanese program to generate a lot of interest. For further information, contact her at 656-3393.

Buildings to be added at Starkey Swine Center

Four new research buildings valued at $200,000 are being added to the University's Starkey Swine Center.

Construction on the buildings (which have been in the planning stages since 1980) is under way and should be completed in six months.

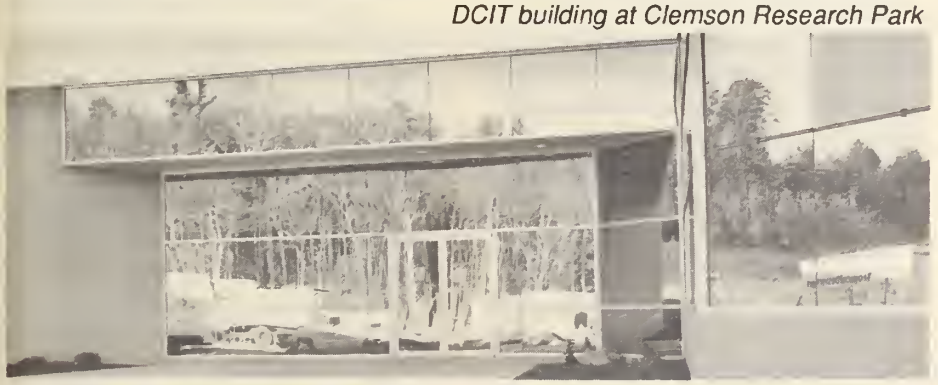
Research at the center will focus on production aspects of swine, such as physiology and nutrition.

Funded by state construction bonds, the facility will open new doors for research grants for the animal science department.

The new buildings include a physiology research lab, a breeding house and two nurseries.

The overall plan for the center is to expand the herd to 180-200 sows. At present, the center houses about 90 sows.

DCIT building at Clemson Research Park



New building to be dedicated April 25 at Clemson Research Park

Boasting the most sophisticated computer equipment in South Carolina, the new Division of Computing and Information Technology building will be dedicated Monday, April 25, at 11:15 a.m. in the Clemson Research Park off S.C. 187.

S.C. Gov. Carroll Campbell will be the keynote speaker.

Following the governor's comments, visitors will have an opportunity to tour the building.

The new building is home to Clemson's supercomputing operations and state-of-the-art computer components.

Last November, some $7 million in computer equipment was moved from Poole Computer Center to the new facility 10 miles away.

Another $5.5 million in equipment remained on campus as a readily accessible support network for faculty and staff.

The new building provides 40,000 square feet of much-needed space for several tons of computer equipment and 100 employees. It also allows for anticipated expansion.

Equipment at the on-campus Poole Computer Center consists of VAX computers and a $1 million hypercube parallel processor.

Briefly

Health expert to speak on diet, heart disease

A nationally known health expert will speak here tomorrow in a seminar sponsored by the nutrition program.

On Thursday, April 14, Dr. Thomas Clarkson, primate laboratory director of the Bowman Gray Medical School in Winston-Salem, N.C., will discuss an overview of diet and coronary heart disease at 4 p.m. in Poole Agricultural Center Auditorium.

His talk is free and open to the public. For more information, contact Don Turk at 656-5699.

Hipps elected to board

Nursing Dean Opal Hipps has been elected to the board of directors of the American Association of Colleges of Nursing at its spring meeting in Washington, D.C.

The AACN is made up of deans and directors of baccalaureate and higher degree programs in nursing.

Mechanical engineering sponsors two seminars

The mechanical engineering department rounds out its spring seminar series with a pair of lectures over the next two weeks.

On Friday, April 15, Miguel Larsen, Clemson associate professor of physics, speaks on "A Discussion of Some Recent Problems in Atmospheric Turbulence." (Larsen replaces scheduled speaker Ted Addy.)

On Friday, April 22 , Professor Gerald M. Faeth of the department of aerospace engineering at the University of Michigan speaks on "Turbulent Underexpanded Free Jets: Measurements and Predictions."

Both lectures will be held at 2:30 p.m. in Room 300 Riggs Hall.

For information, call Professor James Brasseur at 656-5639.

Clemson YMCA offers variety of programs

The Clemson YMCA is now offering the following programs:

- A track and field program for boys and girls, ages 7-16. Practices are Tuesdays and Thursdays from 6-7:30 p.m.
- A variety of summer camps for boys and girls, ages 5-13.
- A springboard diving class held at Fike for ages 6-15.
- An aquatic program for 3- and 4-year-olds ("Y-Skippers") to be held May 2-12 at Fike every Monday through Friday.
- A learn-to-swim program ("Water Babies") for children ages 6 months through 3 years will be held April 18-May 25 at Fike. Classes will meet Mondays and Wednesdays from 9-10 a.m.

For information or to register, call the YMCA at 656-2460.

DesMarteau receives DSF Science Award

Chemistry head Darryl DesMarteau is the recipient of a DSF Award for Contributions to Science in South Carolina from Drug Science Foundation, a foundation for chemistry and life sciences.

DesMarteau received the award for his research in fluorine chemistry which has helped "raise (the state's) research visibility and enriched the environment for science in South Carolina."

The awards will be presented tomorrow at a joint awards dinner on the campus of South Carolina State College in Orangeburg.

Ticket deadline nears

The deadline for ordering 1988 season football tickets is May 20.

All interested faculty, staff and graduate students should call the Athletic Ticket Office at 656-2118.

Union offers lower prices for Six Flags, Carowinds

The University Union has new, even lower prices for Six Flags and Carowinds tickets.

The cost of a Six Flags ticket is $13 (saving you $5 off the regular admission price).

The cost of a Carowinds ticket is $12 (saving you $3.95 off the regular admission price).

Tickets may be purchased in unlimited quantity at the Union Information Desk in the Loggia.

The Union also has passes to all United Artists movie theatres for $3.25.

For information, call 656-2461.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, April 15 for April 27 issue.**

Take note of interim Fike Recreation Center schedule

Regular Fike users brace yourselves — the interim schedule between the end of spring semester and the beginning of the summer semester will soon be upon us.

Several items to note are:

- Aerobics end Friday, April 22. They will resume the first summer session.
- No tennis reservations will be made on days of tennis matches.
- Family hours will be all hours from April 22 to May 15.
- East Bank Recreation Area will open May 16 from noon to 6 p.m. Monday through Saturday and from 1 to 6 p.m. Sunday.
- Four lanes of the swimming pool will be open from 4-6 p.m. each weekday.

The usual swim schedule applies after 6 p.m. The pool will close at 4 p.m. Friday, April 22.

- The Coliseum will be closed to runners from April 22 to May 16.

Fike's hours from April 22 to May 15 are as follows (the longer summer schedule begins May 16):

Fike Recreation Center

weekdays — 7 a.m. to 7 p.m. (April 22, 25, 26)

— 7 a.m. to 6 p.m. (April 27 - May 16)

Saturdays — noon to 6 p.m.
Sundays — 1 to 6 p.m.

Pool

weekdays — 11 a.m. to 6 p.m.
Saturdays — noon to 6 p.m.
Sundays — 1 p.m. to 6 p.m.

Coliseum

weekdays — 7:15 a.m. to 6 p.m.
weekends — closed

Tennis Center

weekdays — 7:30 a.m. to 7 p.m. (April 27-May 10)

weekends — 8 a.m. to 7 p.m.

For more information, call the intramural sports department at 656-2308.

Panel to discuss teacher evaluations

A panel discussion on teacher evaluations will be held April 22 in Lyles Auditorium.

"The Official Clemson Student Evaluation of Instruction Form" is the topic of the 3-5 p.m. discussion, sponsored by the Teaching Resources and Effectiveness Committee.

Participants are:

- Jerry Reel, vice provost for undergraduate studies, speaking on administrative policy,
- Doris Helms, director of the biology program, speaking on goals and objectives of the form,
- Kelly Crader, professor of sociology, speaking on statistical validity and reliability,
- Corrine Sawyer, director of academic special programs, speaking on logistics and procedures,
- Ron Nowaczyk, associate professor of psychology and president of the Faculty Senate, speaking on the Faculty Senate perspective.

Also, results of the December 1987 faculty questionnaire will be presented. Time for questions, suggestions and discussion will be made available afterward.

All interested persons are invited to attend.

For more information, call John Wagner at 656-5024.

Holmes to speak

"Patterns of Scientific Discovery" is the topic of an April 18 lecture sponsored by the Science, Technology and Society Committee.

Frederic L. Holmes, professor in and chairman of the history of medicine section at Yale University, will speak at 3:30 p.m. in Room 200 Hardin Hall.

For more information, call Bill Maker at 656-5365.

Puppets perform Cinderella in Tillman April 23

On Saturday, April 23, the Clemson YMCA will sponsor a marionette version of the timeless fairy tale "Cinderella."

The Vagabond Marionettes, an Atlanta-based puppetry troupe, will give their performance at 11 a.m. at Tillman Hall.

Tickets are available for $3 at Holzendorff YMCA Center and Lynch Drug Company. For youth groups of 10 or more, there is a 50 cent discount.

This fun-filled fantasy is told by little Pierre the Mouse,Cinderella's confidante. The production will feature lavish Victorian sets and costumes, blended with magical effects and laughter.

After the performance, the puppeteers will give a demonstration of the puppets and staging techniques used in the production.

For additional information, call the Holtzendorff YMCA Center at 656-2460.

Departmental notes

DAIRY SCIENCE

F.E. Pardue (Prof) presented a paper, "Heat Stress and Milk Production in the South Carolina Coastal Plains," at the 65th annual meeting of the Southern Division of the American Dairy Science Association in New Orleans, Jan. 31 -Feb. 3, 1988

ENTOMOLOGY

G. T. Payne (former Grad Res Asst), R. G. Blenk (ICI Americas), and **T. M. Brown** (Prof) published a paper titled "Inheritance of Permethrin Resistance in Heliothis virescens" in the Journal of Econ. Entomol. 81: 65-73.

FORESTRY

D. C. Guynn (Prof) presented "Managing and Marketing Wildlife" at the Virginia-North Carolina-South Carolina Forest Landowner Seminar in Charlotte, N. C. Feb. 27,1988.

Guynn, **J. R. Davis** (Grad Asst), and **A. F. Von Recum** (Head and Prof, Bioengineering) published "Pathological Potential of Intraperitoneal Transmitter Implants in Beavers" in Journal of Wildlife Management 51(3): 605-606.

Guynn, **M. T. Mengak** (Grad Asst), **J. K. Edwards** (Grad Asst), **D. L. Sanders** (Grad Asst), and **S. M. Miller** (curator, Biological Science) published "Abundance and Distribution of Shrews in Western South Carolina" in Brimleyana 13:63-66.

Guynn was elected president-elect of the Southeastern Section of the Wildlife Society (which includes 13 southeastern states, the District of Columbia, Puerto Rico and the Virgin Islands) at the annual meeting in Mobile, Ala. in October, 1987.

Guynn made the following presentations at the 11th Annual Meeting of the Southeast Deer Study Group in Puducah, Ky. Feb. 21-24, 1988:

"The Mt. Holly Plantation Deer Herd: A Case Study in Quality Management" with **J. R. Sweeney** (Prof, Wildlife), R. J. Hamilton (S. C. Wildlife and Marine Resources), and R. L. Marchinton (Univ. Ga.).

"Sociobiological Implications of Quality Management" with Marchinton, K. V. Miller (Univ. Ga.), and Hamilton.

"Quality Deer Management: The Hunter Experience" with Hamilton, L.O. Rogers (S. C. Wildlife and Marine Resources), and Marchinton.

R. A. Harris (Assoc Prof) published "Dimensional Stability of Red Oak and Eastern White Pine Dried by Radio-Frequency/Vacuum and Conventional Drying Processes" in Forest Products Journal 38(2): 25-26, Feb. 1988.

J. L. Haymond (Asst Prof) published "Diffusion of Innovations: A Sociological Approach to the Non-industrial Private Forests Challenge" in proceedings of papers presented at the National Symposium of Current Topics in Forest Research: Emphasis on Contributions by Women Scientists, held in Gainesville, Fla., Nov. 4-6, 1987 (pp. 115-119), USDA Forest Service General Technical Report SE-46.

D. N-S Hon (Prof) published "Mechanochemistry of Lignocellulosic Materials", Chapter 5 (PP. 165-191) in Developments in Polymer Degradation. Elsevier Applied Science, NY, 1987. **D. D. Hook** (Prof) and **S. Denslow** (For. Aide) published "Metabolic Responses of Four Families of Loblolly Pine to Two Flood Regimes" in Plant Life in Aquatic and Amphibious Habitats No. 5, 1987, pp. 281-292. Special Publication Series of the British Ecological Society.

Hon and **L-G Tang** (Research Assoc) published "Atmospheric Oxidation of Cellulose Nitrate Lacquers" in Journal of Coatings Technology 60(757):73-76.

Hon has been appointed by the United States Congress to evaluate a mass deacidification process for paper conservatism developed by the Library of Congress.

Hon was elected to the Board of Directors of the Stanley Memorial International Cancer Research Foundation, which makes grants for cancer research.

D. D. Hook (Prof), M. R. McKelvin (USDA Forest Service), **W. H. McKee, Jr.** (USDS Forest Service and Adjunct Assoc Prof), **S. U. Wallace** (Asst Prof, Agronomy and Soils), and J. R. Woodruff (Prof, Agronomy and Soils) published "Loblolly Pine Seedling Root Anatomy and Iron Accumulation as Affected by Soil Waterlogging" in Canadian Journal of Forest Research, pp. 1257-1264, Vol. 17, 1987.

Hook and **T. H. Shear** (Res. Assoc) published "The Nature of Waterlogging Tolerance of Loblolly Pine" and "Use of Excessive Waterlogging and Physiological Responses to Measure Genetic Variation in Loblolly Pine Waterlogging Tolerance" In: Proceedings 19th Southern Forest Tree Improvement Conference, June 16-18, 1987, College Station, Texas.

Hook and Shear published "Interspecific Genetic Variation of Loblolly Pine Tolerance to Soil Waterlogging" and Hook and **M. R. McKelvin** (Grad Asst) published "Use of Oxygen Microelectrodes to Measure Aeration in the Roots of Intact Tree Seedlings" both in The Ecology and Management of Wetlands Vol. 1 Ecology of Wetlands (eds. D. D. Hook and Others).

G. D. Kessler (Prof) and D. Carson (S. C. Forestry Commission) published "We Need To Talk About Forestry" as a joint publication of the Clemson University Cooperative Extension Service, South Carolina Forestry Commission and the South Carolina Forestry Association.

A. P. Marsinko (Assoc Prof), **J. H. Stevens** (Research Forester) and **S. K. Nodine** (Instr) published "Nonindustrial Private Forest Lands and Landowners in South Carolina", Dept. of Forestry Research Series No. 43.

D. H. VanLear (Bowen Prof) moderated the silvics and silviculture session at the 2nd Southern Forestry Symposium in Atlanta, Nov. 16-18.

T. A. Waldrop (Adjunct Asst Prof, U.S. Forest Service) and VanLear presented a poster paper entitled "Pine-Hardwood Mixtures - A Low-Cost Alternative for Regeneration" at the Society of American Foresters Annual Convention in Minneapolis, Minn., Oct. 18-22.

T. M. Williams (Assoc Prof) and **G. R. Askew** (Assoc Prof) published "Impact of Drainage and Site Conversion of Pocos."

G. W. Wood (Prof) published "Art and Patience - Prescription For Managing Soil-Plant-Animal Relationships" in proceedings of papers presented at the Symposium of Deer, Forestry, and Agriculture: Interactions and Strategies for Management held in Warren, Penn., June 15-17, 1987 (pp. 173-183), sponsored by Plateau and Northern Hardwood Chapters, Allegheny Society of American Foresters.

HOME ECONOMICS

R. J. Davis (Prof) was an invited speaker at the Georgia Nutrition Council annual meeting Feb. 25-26, 1988. Davis's presentation on "Applying Research to Client Education" summarized the research given at the conference on dietary fat and gave the participants methods for adapting it to public education programs.

HORTICULTURE

D. C. Coston (Prof) spent two weeks in Kenya and one week in Tanzania evaluating a fruit tree development project for The Tree People of Los Angeles and presenting workshops on tree management to subsistence farmers. He presented a seminar "Deciduous Fruit Trees in the Tropics" at the Kenya Energy Nongovernmental Organization (KENGO) headquarters.

He presented briefings on the project to USAID in Nairobi and to the International Council for Research at Bordeaux and Angers, France and East Malling, England to discuss cooperative research in fruit tree biotechnology.

J. R. Johnson (Asst Prof), **J. W. Rushing** (Asst Prof) and **J. R. McGuin** (Charleston Extension Agent) made a poster presentation titled "Influence of Gibberellic Acid on Plant Growth, Yield, and Postharvest Quality of Fresh Market Spinach" at the National ASHS meetings in Nov. in Orlando, Fla.

At the recent meetings of the Southern Region-American Society for Horticultural Science (SR-ASHS) held in New Orleans:

J. R. Johnson (Asst Prof) presented "Descriptive Growth Characteristics of Spinach."

R. J. Dufault (Assoc Prof) presented "The Influence of Cold Temperature Stress at Transplanting on Tomato Yield and Quality."

D. R. Decoteau (Asst Prof), M. J. Kasperbauer (USDA, Florence) and P. G. Hunt (USDA, Florence) presented "Bell Pepper Seedling Development Over Different Color Reflective Surfaces."

B. B. Rhodes (Prof) presented "F1 Watermelon Hybrid Using the Glabrous Male Sterile Tetraploid Parent."

A. R. Melton (Ag Science Assoc), **T. Whitwell** (Assoc Prof), and **D. R. Decoteau** (Asst Prof) presented "Simulated Drift of Chlorimuron and Imaziquin on Cucumber."

J. W. Rushing (Asst Prof) presented "Physiological Basis for the Extension of Shelf Life of Prepackaged Broccoli Florets by Cytokinin Treatment."

D. R. Decoteau (Asst Prof), **R. J. Dufault** (Assoc Prof), and **J. T. Garrett** (Visiting Assoc Prof) presented a poster on "Development of a Continuous Supply Produce Availability Model for Site and Regional Production."

A. R. Kingman (Assoc Prof) chaired the Poster Sessions and **J. D. Caldwell** (Asst Prof) was chairperson of the Collegiate Branch Committee.

B. B. Rhodes (Prof) presented "A Tetrasomic Watermelon Line" before the Watermelon Research Group and also presented "Sweet Potato Germplasm Methods" at the recent Sweet Potato Collaborators meetings in New Orleans.

LANGUAGES

Edwin P. Arnold (Asst Prof, German) gave an invited slide-lecture presentation entitled "Eine DDR Studienreise mit einem Unterschied" ("A Study Abroad Trip into East Germany with a Difference") at the annual meeting of the German branch of the Council on International Educational Exchange, March 4-5, in Konigswinter, Federal Republic of Germany.

MANAGEMENT

D. W. Grigsby (Assoc Prof), **T. L. Leap** (Prof), and **M. D. Crino** (Prof), had "Correlates of Fair Employment Laws Within the United States," accepted for publication in the International Journal of Management.

Leap and Grigsby had "A Reply to Kirkbride and Durcan," accepted for publication in Industrial and Labor Relations Review.

V. Sridharan (Asst Prof) published "Freezing the Master Production Schedule Under Rolling Planning Horizons", with W. L. Berry (University of Iowa) and V. Udayabhanu (San Francisco State University) in Management Science, Vol. 33, No. 9, September, 1987.

Sridharan also published "Measuring the Master Production Schedule Stability Under Rolling Planning Horizons", with Berry and Udayabhanu in Decision Sciences, Vol. 19, No. 1, Winter, 1988.

Sridharan presented "Master Production Schedule Freezing Methods: A Framework for Design and Analysis", with Berry (IMEDE, Switzerland) at the 1987 Annual Meeting of the Decision Sciences Institute in Boston, Mass., Nov. 23-25. The paper was also published in the proceedings of the conference.

Sridharan presented "Analyzing MPS Stability Trade-offs Using Optimal Policy Surfaces," with Berry at the ORSA/TIMS Joint National Meeting in St. Louis, Mo., Oct. 25-28, 1987.

MECHANICAL ENGINEERING

D. E. Beasley (Assoc Prof) and **R. S. Figliola** (Assoc Prof) have published "A Generalized Analysis of a Local Heat Flux Probe" in the Journal of Physics E: Scientific Instruments, 21, 1988, 316-322.

NURSING

Margaret Wetsel (Asst Prof) and **Lorraine Fisher** (Asst Prof), attended the Southern Council on Collegiate Education for Nursing conference entitled "Nursing Research: Seeking Solutions to Health Care Issues" Dec. 3-4 in Atlanta.

PHYSICS AND ASTRONOMY

R. L. Chaplin (Research Assoc) has received a one year extension from Martin Marietta Energy Systems, Inc. on his research contract entitled "Stored Energy in Neutron Irradiated Materials" which totals $35,359.00. This work is being done in collaboration with the Oak Ridge National Laboratory.

J. A. Gilreath (Assoc Prof) presented a paper on "Analysis of the Falling Magnet Demonstration" at the winter meeting of the American Association of Physics Teachers in Washington, D.C. Jan. 25-28. Gilreath also chaired two sessions at the meeting.

John R. Ray (Prof) and **Tahir Cagin** (Grad Stud) have published the paper "Elastic Constants of Sodium Using Molecular Dynamics" in Physical Review B, Vol. 37, Jan. 15, 1988.

Ray and Cagin have also published the paper "Fundamental Treatment of Molecular Dynamic Ensembles" in Physical Review B, Jan. 1, 1988.

RESIDENTIAL SERVICES

Penny Caldwell (Assoc Dir Res Services) is one of 18 serving as site selection chairpersons for the ACUHO-I Conference Services Committee.

(These are not all the departmental notes submitted. More will be published as soon as space permits.)

Home economists to join national committees

Two Clemson Extension Service home economics specialists have been invited to serve on national committees with the American Home Economics Association.

Emily Wiggins has been invited to serve on the electronic technology committee, and Tom Mounter has been invited to serve on the cooperative relations committee of the 28,000-member organization.

Wiggins works with family life and child development programs, and Mounter is adviser to the S.C. Extension Homemaker Council and works with other Clemson Extension home economics leadership programs.

They have been invited to serve for two years beginning at the association's 1988 national meeting in June in Baltimore.

Fleming named coordinator for planning and research

David B. Fleming has been named coordinator of planning and research in the Budgets and Planning area.

He was formerly schedule coordinator for Admissions and Registration.

In his new position, he will be responsible for helping establish the new Institutional Research Office.

The office will be involved with providing information supporting institutional planning and studies, policy formulation, decision making and reporting.

That office will be housed temporarily in 204 Sikes Hall, telephone 656-4416.

Agricultural engineer receives national award for cotton research

Agricultural engineer Jerry Lambert and a three-member team from Mississippi have received the national Mobay Cotton Research Recognition Award for the contributions of their computer information system to the cotton industry.

The award recipients were chosen from 22 nominations and will share a $15,000 prize. In addition, their research institutions will share another $10,000.

Thirteen recognized during Honors and Awards Day

The University presented its top awards April 9 at an Honors and Awards Day luncheon hosted by President Max Lennon, which featured an address by Clemson graduate and Pulitzer Prize-winning journalist Harry Ashmore.

Retired English Professor Albert H. Holt received the Sullivan Award in recognition of his selflessness and community spirit.

The awards were:

Algernon Sydney Sullivan Medal
Dawn Elizabeth Anderson,
Starr
Sam Evans McGregor Jr.,
Hopkins
Albert Hamilton Holt
Clemson

Trustees Medal
Kimberly Kay Lewallen,
Simpsonville

American Association of University Women Award
Nancy Faye Strom,
Arroyo Grande, California

Phi Kappa Phi Award
Mary Yvonne Bamert,
Summerville
Mary Elizabeth Poole,
Charleston
Nancy Faye Strom,
Arroyo Grande, California
Mark Nathaniel Vanalstine,
Aiken

ACC Athletic Scholarship Award
Helen Hobbs Rogers,
Mobile, Alabama
James Christopher Rootes,
Atlanta, Georgia

Kenelly-Voss Advanced Placement Award
George Christian Cope,
Central

Additional awards recognized more than 1,500 students during 10 separate ceremonies on campus Saturday.

Fund-raising momentum continues into fourth quarter

Major gifts totaling more than $500,000 kept the University's fund-raising momentum going strong as Clemson entered the fourth quarter of the fiscal year that ends June 30, school officials said during the recent meeting of the Board of Trustees.

Programs ranging from agriculture to architecture to technical communications will benefit from the gifts, which also include approximately $250,000 to boost Clemson's unrestricted scholarship endowment, said Jeff McNeill, associate vice president for development.

McNeill told the Board's institutional advancement committee on Wednesday that giving during the first three quarters of the current fiscal year is already ahead of the record $7.3 million collected during the entire previous year.

As of April 1, Clemson had received $7.4 miilion in actual gifts, not counting pledges or commitments to give. As a result, fund-raisers have set a goal of $10 million for the current year.

New gifts

Announced gifts include:

- approximately $250,000 in cash and property from the estate of the late Peggy Farrar to establish an unrestricted scholarship endowment named for her husband, the late Millard B. "Speck" Farrar, a 1928 Clemson graduate.
- a $150,000 anonymous pledge to be paid in equal installments over the next five years to be split evenly between the College of Agricultural Sciences and Clemson's annual Loyalty Fund.
- $50,000 from Hilton Head resident Anne Landsman. Half is earmarked for the College of Architecture; the other half for the physics department.
- $32,000 from Bob and Betsy Campbell of Gaffney to match industry contributions for lab equipment for the technical communications program.

The Campbells already have given more than $1 million to endow a chair in technical communications at Clemson.

- a $25,000 agreement from Jim and Carolyn Creel of Myrtle Beach to match up to that amount in unrestricted contributions made before June 30 by alumni and others who have never given to the annual Loyalty Fund.

These gifts continue a fund-raising surge that began last fall.

7 major gifts since September

Since September, Clemson has announced seven gifts that eventually will endow:

- two highest-level faculty chairs, or positions, at $1.5 million each;
- two faculty chairs at $1 million each;
- the Clemson Library with $1 million;
- a professorship at $650,000; and
- nine scholarships at $100,000 each.

Theatre Ballet of Canada

(656-2461)

"Inherit the Wind" *(656-2476)*

Cultural events highlight week to come

If you're looking for more to do next week than watch television, just take a look around you and mark your calendar.

April 13-16, the Clemson Players present "Inherit the Wind," a dramatization of the so-called "Scopes Monkey Trial," a case which pitted Clarence Darrow and William Jennings Bryan in a courtroom battle over the teaching of Darwin's theory of evolution in Tennessee's public schools.

Performances are at 8 p.m. each night in Daniel Hall Auditorium, with an additional 3:30 p.m. matinee Thursday, April 14.

On **April 15**, sex therapist Dr. Ruth Westheimer speaks at 6 p.m. in the Outdoor Theater.

On **April 16**, the University Symphonic band performs at 3 p.m. in the Outdoor Theater.

On **April 18**, the Theatre Ballet of Canada will perform at 8 p.m. in Tillman Hall Auditorium.

April 19 and 20, Lillian Harder and Sharon Sawyer will perform at 8 p.m. in Daniel Hall Auditorium.

The week's events conclude **April 21** with a performance by the University Jazz Ensemble at 8 p.m. in Tillman Hall Auditorium.

Dr. Ruth *(656-2461)*

Clemson University Jazz Ensemble *(656-3043)*

Clemson
WEEKLY
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Bull test station selected for livestock arena

University officials have selected a site for the $4.4 million T. Ed Garrison Livestock Arena and are considering scaling down the design to meet rising construction costs.

In a meeting on campus April 11, the building committee chose the Clemson Bull Test Station, rather than the Hinkle pasture area, as the site of the facility. Both locations are located near Tri-County Technical College and are owned by Clemson.

Although both locations can easily be served by local utilities, the bull test station site will be less expensive because a new tap on the water line will not be necessary.

In addition, the selected site has more existing access roads and less slope than the Hinkle area, meaing less earthwork will be necessary.

The arena, which will be the first of its kind in the state, is expected to provide educational opportunities to the agricultural community of South Carolina, help develop the state's livestock industry and boost area tourism.

The complex, to be operated through the College of Agricultural Sciences, will be used for horse and livestock shows, sales, 4-H activities, educational programs and industrial and agricultural expositions.

Plans for the 100-acre facility include an indoor arena with seating, a covered outdoor arena, administrative offices and conference rooms, concession areas, horse and cattle facilities and hook-ups for recreational vehicles.

While the committee considers design modifications, the site recommendation will be forwarded to the administration for approval. Committee members hope construction will begin before the end of the year and will be completed within 12 to 15 months.

Division names director of research

JoVanna King, formerly alumni relations chief at Anderson College, has joined Clemson as Institutional Advancement research director.

Her job is to establish and maintain a data base of funding opportunities for academic programs, scholarships and capital purposes.

She's on the lookout for new sources of financial support from corporations, foundations and individuals and is developing a reference library to help professors find support for their projects.

Before joining Clemson, she worked in the Anderson College alumni relations program for five years. During the last three years, she served as the school's alumni program director.

JoVanna King

the new Institutional Advancement research director

More than 300 gifted elementary school students from Greenville visited campus recently as part of a study on inventions.

Here, Ryan Leigh Ridgeway shakes hands with Rhino, a single-arm robot in the agricultural engineering department.

Briefly

Tree-breeding seminar to be held April 22

The integration of biotechnology into conventional tree breeding is the topic of a seminar here April 22.

Four researchers from the Westvaco Co. will speak in F-149 Poole Agricultural Center. They will be available for questions at 9:30 a.m. The seminar will begin at 10:10 a.m.

The seminar, sponsored by the horticulture department, is free and open to the public.

For more information contact Janice Bishop, 656-3143.

Ticket deadline nears

The deadline for ordering 1988 season football tickets is May 20.

All interested faculty, staff and graduate students should return applications to the Athletic Ticket Office.

For information, call 656-2118.

Soil ecologist to speak on biotechnology April 21

An internationally acclaimed expert on ecology of soil microorganisms will speak here April 21.

James Tiedge, a professor of soil microbiology at Michigan State University, will discuss the scientific and policy issues on releasing genetically engineered microorganisms into the environment.

His lecture, which will begin at 1:30 p.m. in the Jordan Room of Jordan Hall, is free and open to the public. He will be available for questions earlier that day from 10:30 - 11:30 a.m. in Room A-202 Poole Agricultural Center.

Last fall, Tiedge chaired the Environmental Protection Agency's scientific panel that reviewed and recommended approval of Clemson's landmark field test of a genetically engineered microorganism developed by the Monsanto Co.

Mechanical engineering sponsors April 22 seminar

The mechanical engineering department rounds out its spring seminar series Friday, April 22 , when Professor Gerald M. Faeth of the department of aerospace engineering at the University of Michigan speaks on "Turbulent Underexpanded Free Jets: Measurements and Predictions."

His talk will be at 2:30 p.m. in Room 300 Riggs Hall.

For information, call Professor James Brasseur at 656-5639.

Vaughn receives award from fabrics industry

Ed Vaughn, director of the School of Textiles, received "The Chairman's Award" from INDA, the Association of Nonwoven Fabrics Industry at its annual meeting in Scottsdale, Arizona.

The award is presented annually to an outstanding individual in the nonwoven and related industries for contributions to the industry and the association.

Vaughn is the first person outside the industry to receive the prestigious award from the association's chairman. In the past, company executives have received the award.

Remember deadlines for year-end purchasing

If your department is planning to do some "end-of-the-fiscal-year buying," remember the following purchasing deadlines:

May 2 for all information technology equipment requisitions and purchases of $1,500 or more.

May 16 for purchase requisitions less than $1,500.

Teacher evaluations to be April 22 panel topic

A panel discussion on teacher evaluations will be held April 22 in Lyles Auditorium.

"The Official Clemson Student Evaluation of Instruction Form" is the topic of the 3-5 p.m. discussion, sponsored by the Teaching Resources and Effectiveness Committee.

Also, results of the December 1987 faculty questionnaire will be presented. Time for questions, suggestions and discussion will be made available afterward.

All interested persons are invited to attend.

For more information, call John Wagner at 656-5024.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, April 22 for May 4 issue.**

Departmental notes

ADMINISTRATIVE PROGRAMMING SERVICES

Wayne Dickinson (Senior Analyst) and **Virginia Carner** (Prog Analyst) will present "Automated Financial Aid Tracking Using College Scholarship Service's Rapid Electronic Data Delivery (REDDy) and the Pell Grant Applicant Tape Service" at the 33rd annual College and University Administrative Computer Users Conference to be held in Los Angeles May 1-4.

Libby Neil (Senior Analyst) is a member of the Program Selection Committee for the Conference.

George Alexander (Dir) and **Richard Meyer** (Assoc Dir, Libraries) presented a talk titled "Cooperative Efforts of Libraries and Computing Organizations" at the meeting of the Association of Southern Research Libraries held at Hilton Head March 5-7.

BIOLOGY PROGRAM

Doris R. Helms (Prof and Head) conducted a laboratory workshop in Advanced Placement Biology for S.C. Teachers at Clemson Feb. 26. She also held an advanced placement workshop for S.C. biology teachers in Columbia March 8.

W.H. Leonard (Prof) published with A. Journet (Southeast Missouri State University) and R. Ecklund (Cornell University) "Overcoming Obstacles in Teaching Large-Enrollment Lab Courses" in the January 1988 issue of The American Biology Teacher.

William Surver (Assoc Prof) was the National Association of Biology Teachers representative to Section Q of the American Association for the Advancement of Science meeting in Boston recently. He was voted president-elect of the National Association of Academies of Sciences which has 42,000 members in 46 states.

Surver also presented a workshop "Uses of Video in the Classroom" at the S.C. Junior Academy of Sciences winter meeting at Furman University Feb. 6.

With **Denny Smith** (instr), Surver participated in an invited symposium on "Innovative Teaching Techniques" at the Entomological Society of America National Meeting in Boston Dec. 1-3. They also presented a workshop on "Innovative Uses of Video in the Classroom."

BUILDING SCIENCE

M. David Egan's (Assoc Prof) book, Architectural Acoustics (McGraw-Hill, New York, 1988) was the March 1988 selection of the Architects' Book Club.

Egan also presented a paper on "Design Vocabulary: Spaces for Music Performance" and chaired session of "Problems in Practice" at the 6th Annual ACSA Technology Conference on "Technology in Design" at the San Francisco Art Institute Feb. 6-7, 1988.

Egan also published an article entitled "Sound Isolation for Wall Openings" in the November 1987 issue of Architecture.

ENGINEERING

J. Charles Jennett (Dean) has been reappointed to the American Academy of Environmental Engineers Education Committee for 1988.

ENTOMOLOGY

T. M. Brown (Prof) and G. T. Payne (former Grad Res Asst) published a paper titled "Experimental Selection for Insecticide Resistance" in the Journal of Econ. Entomol. 81: 49-56.

J. D. Culin (Asst Prof) and **W. P. DuBose III** (Assoc Prof) published "Insecticide Interference with Microplitis demolitor Parasitization of Heliothis zea in Journal of Econ. Entomol. 80(6): 1188-1191.

Culin and **S. Brown** (Grad Res Asst), **J. Rogers** (Grad Res Asst), **A. Swift** (Programmer), **B. Cotterill** (Grad Res Asst), and **J. Kovach** (Grad Res Asst) presented a paper titled "Examining the Potential for Reinfestation of the Boll Weevil Eradication Program Zone" at the Southeastern Branch Meeting of the Entomological Society of America in Raleigh, N.C. ,Jan. 25-28.

Culin presented an invited lecture titled "The Biology and Identification of Common Poisonous and Non-Poisonous Spiders Found in South Carolina" at the 29th annual Pest Control Operators School Feb. 9-11 at the Ramada Inn in Clemson.

J. C. Morse (Prof) presented a paper titled "The Importance of Voucher Specimens" at the introductory address in a symposium, "Reference Collections and Voucher Specimens in the Carolinas," during the annual meeting of the Carolinas Area Benthic Biologists Nov. 5-6, 1987, in New Hill, N.C.

Morse and **J. S. Weaver III** (former Grad Res Asst; Univ. of New Hampshire) presented a paper titled "Trichoptera" in a symposium, "Recent Advances in Our Understanding of the Evolution and Classification of Aquatic Insects," during the annual meeting of the Entomological Society of America, Nov. 29 - Dec. 3, 1987, in Boston, Mass.

(More departmental notes will run as space permits.)

Living Well

A few good ideas may help you stop smoking

by Linda Williams,
'87 Nursing Graduate,
College of Nursing

Do you smoke? Would you like to quit? Here are some helpful tips on ways to go about doing so. The first and best thing to do is to set a target date for quitting and stick to it. Try to pick a date that is significant to you. Tell your family and friends about the date and ask them to help you stick to it.

You may decide to quit smoking all at once; however, if you find that you cannot stop this way, the next best way to proceed is by cutting back one cigarette from your usual amount each day. If you usually smoke five cigarettes a day, try smoking four today.

Something else that may be helpful is to try a substitute for smoking. New habits may help you deal with the urge to smoke. If you feel like having a cigarette, try a stick of sugarless gum or hard candy instead, or drink a glass of water or juice. Going for a walk is another positive substitute activity.

While you're trying to quit, don't be afraid to lean on others for support. Family members and friends are especially important in obtaining the support you need to quit. Ask them to help you "talk it out" when the urge seems irresistible, or ask them to join you in your efforts so that you can support each other.

If you smoke, these tips for quitting may help you to stop. If you don't smoke, help a friend by suggesting these tips to him or her and by being supportive. You will be helping yourself and others to become more healthy.

Safety Corner

Job security means using caution

by Thea McCrary,
Crime Prevention Officer

Here are some ideas for real job security:

- If you must leave personal items such as hats, coats, billfolds or pocketbooks unattended, make sure they are secured in a locker, desk, closet or other safe area. (Secured means locked.)
- Do not leave your office keys unattended. If you lend them to fellow employees, do so only in accordance with your department's policy. Always report any missing keys to your supervisor.
- Make sure any University property, funds or materials under your control are properly protected and accounted for.

If you notice materials missing or suspect them of being stolen, contact the University Police at 656-2222.

- If, in the course of your job, you are confronted by an armed robber, do not try to resist. Follow any instructions and try to notice as many details as possible (the person's height, weight, eye color, hair style, clothing, voice, skin tone, distinctive features, scars, etc.) and the direction in which the person escaped.

Be extremely careful. Do not endanger your life or the lives of innocent bystanders with rash actions.

All of the above also apply to similar crimes, such as rape, indecent exposures or asault. In these cases, the decision to resist must be made by you.

- Report damaged locks, doors, screens, lights and other security-related hardware for maintanance as soon as possible.
- If you are working alone in a building after hours, make sure the University Police know you nare there. Also lock the doors and keep any unathorized persons out.
- If you discover a crime has been comitted in your work area, contact the University Police at once. Do not disturb the scene.
- Observe the office routine. If you think of a way to improve security, make the suggestion to your supervisor.
- If you use a vehicle in your work, make sure the vehicle, its cargo and contents are properly secured at all times.

Remember, no matter what your job here is, you have a responsibility to yourself, your coworkers, and the campus community to help keep on-the-job crime under control.

Health Appeal deadline is April 29

The 1988 Good Health Appeal is under way and open to all state employees.

Through the Appeal, you can support 16 member health agencies through a single appeal or payroll deduction.

Good Health Appeal cards have been mailed out, and responses should be returned by April 29 to the Wellness Office in the College of Nursing building.

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WEEKLY
Vol. 27, No. 31 April 27, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Johnstone Canteen to close for summer May 1, will reopen as ARA Food Court Aug. 14

The next time you're in the Johnstone Canteen, you might pause a moment to take it all in, because it's not going to be the same after May 1.

The Canteen will undergo a facelift and after a summer-long hibernation will emerge as a new Food Court, sponsored by ARA.

"The new Food Court will appeal to just about anyone's tastes," says Jeff Hall, ARA's new food services director at Clemson.

"Beginning Aug. 14, we'll be offering a variety of choices for everyone on campus."

Hall says the Food Court will feature:

- a bakery case with a full selection of pastries,
- an ice cream bar complete with toppings,
- a deli bar for sandwiches,
- a grill works for hamburgers, french fries, hotdogs, barbeque and chicken,
- a Mexican bar, featuring tacos, burritos and Mexican salads,
- an "Itza Pizza," featuring pizzas and Italian dishes,
- a self-serve soup and beverage bar.

Hall says customers will enter through turnstiles, place their orders, pay and then sit down to eat in a dining area with booths and tables.

"This will really help us out with our student service," he says. "The student body has increased over the past several years, and the addition of the Food Court will help us accommodate them more efficiently."

Faculty, staff and students will be able to use declining balance cards as part of a meal plan, he says.

"So you can bring your card and just charge your meals without needing ready cash."

Hall says the meal cards will also be good in Edgar's. Details on how to get meal cards will be released as soon as plans are finalized, he says.

Much of Canteen to move into Union's Art Gallery, scheduled to re-open July 1

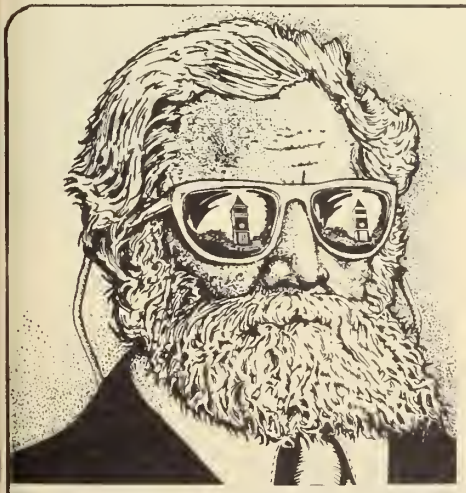
Although the Johnstone Canteen is changing, many of its items will still be available in the University Union Art Gallery in the Loggia.

"Everything except the cooking section is going to be moved upstairs to the Art Gallery in the Loggia," says University Union Director Butch Trent.

The following, he says, will move into the Art Gallery:

- dry goods,
- school supplies and personal items,
- candy and fountain drinks,
- coolers,
- drink and vending machines.

"We plan to open up around July 1, so that faculty, staff and students will still have someplace to go to get a quick snack or pick up other items, such as aspirin, candy or chewing gum."



Thomas Green Clemson

IDs moved to Union

Don't go to the Photo Lab to get an ID card made after May 1.

From that date on, IDs for faculty, staff and students will be made in the University Union administrative offices on the seventh level of Johnstone Hall.

The operation is moving from the electronic and photographic services department in the basement of Poole Agricultural Center.

All initial IDs are free. Replacement IDs will cost $5.

For information, call the Union Info Desk at 656-2461.

Briefly

Remember deadlines for year-end purchasing

If your department is planning to do some "end-of-the-fiscal-year buying," remember the following purchasing deadlines:

May 2 for all information technology equipment requisitions and any purchases of $1,500 or more.

May 16 for purchase requisitions less than $1,500.

Ticket deadline nears

The deadline for ordering 1988 season football tickets is May 20.

All interested faculty, staff and graduate students should return applications to the Athletic Ticket Office.

For information, call 656-2118.

Health Appeal deadline is April 29

The 1988 Good Health Appeal is under way and open to all state employees.

Through the Appeal, you can support 16 member health agencies through a single appeal or payroll deduction.

Good Health Appeal cards have been mailed out, and responses should be returned by April 29 to the Wellness Office in the College of Nursing building.

Hall can help you cater

If your department needs food for some occasion, and you're not quite sure how to get it catered, you might give Jeff Hall a call.

Hall is ARA's new food services director at Clemson, and he can help you set a table that's dressed to impress.

For information, call him at 656-2149.

Several employees have received service awards.

At left, Selena Peppers, a member of the custodial services department, receives her 40-year pin from President Max Lennon.

At bottom, laundry workers Randy R. Ridley (left) and Francis Esaw (right) receive 20-year and 10-year pins from Laundry Director Jackie Sheriff. (Not pictured is J.W. Elrod, who also received a 20-year pin.)

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is Friday, April 29 for May 11 Issue.**

Two faculty receive 1988-89 Fulbright Fellowships

Two faculty members have received Fulbright Fellowships to Europe for 1988-89.

G. William Koon, head of the English department, will travel to Austria, and George R. Lucas, assistant professor of philosophy, will travel to Belgium. Both received grants to lecture and conduct research.

Koon has been department head since 1984. He earned his doctorate from the University of Georgia.

Lucas joined the faculty of the newly created philosophy and religion department this past fall. He earned his doctorate in philosophy from the Northwestern University of Illinois.

The two rank among approximately 1,000 U.S. grantees being sent abroad for the 1988-89 academic year under the Fulbright exchange program.

Established in 1946, the program is designed "to increase mutual understanding between the people of the United States and the people of other countries." Approximately 6,200 grants are awarded each year to students, teachers and scholars to study, teach and conduct research abroad.

The program is administered by the U.S. Information Agency under policy guidelines established by the presidentially appointed Board of Foreign Scholarships and in cooperation with a number of private organizations.

Faculty to meet May 5

The general faculty meeting will be held Thursday, May 5, at 8 a.m. in Tillman Hall Auditorium.

The Board of Trustees Centennial meeting has been moved to Wednesday, May 4, at 5 p.m.

Two students receive Fulbright scholarships to Germany

Two University students recently were awarded prestigious Fulbright scholarships to conduct research in Germany.

Frederica Lashley, a graduating senior majoring in zoology from Hendersonville, N.C., will spend the 1988-89 academic year studying synaptic junctions in the brain at the Max-Planck Institute in Gottingen.

Lashley is the daughter of John C. Lashley and Sally R. Lashley, both of Hendersonville.

David Lee Walters, a Dec. 1987 graduate of computer engineering, will be conducting research under his Fulbright grant at the Technical University of Munich. Walters, from Jacksonville, Fla., intends to study the navigation of mobile robots.

Walters is the son of John and Mona Walters of Jacksonville.

The Fulbright program was created in 1947 as an avenue toward promoting mutual understanding between Americans and citizens of other nations. The grants permit undergraduate and graduate students to spend a year studying abroad.

Of 650 applicants nationally, only one in five is selected for the honor given by the Council for International Exchange of Scholars.

Symposium to examine governance

The Faculty Senate, in conjunction with the Centennial Committee and the Vending Machine Committee, will sponsor a two-day symposium on University governance May 4 and 5.

The goal of the symposium is to explore the philosophy of governance and issues that arise in governing public universities.

The schedule is:

On Wednesday, May 4, at 5 p.m., the symposium begins with the Centennial meeting of the Board of Trustees under the Trustee Oak at the Calhoun Mansion, commemorating the Board's first meeting.

That evening at 8 p.m., attorney and trustee Robert Lewis, a director of the Association of Governing Boards of Universities and Colleges, will deliver the symposium's keynote address in Tillman Hall Auditorium entitled "Boards of Trustees: Outsiders or Colleagues in Higher Education?"

Robert Lewis will give the keynote address for the symposium.

On Thursday, May 5, at 10:30 a.m., working sessions will be held for University Trustees, administrators and faculty to discuss governance-related issues.

At 2:30 p.m., a public forum will be held in Lyles Auditorium in Lee Hall featuring brief presentations from each working group with open discussion afterward.

The symposium concludes with the reception that follows.

May 6 Commencement to honor author, adviser, alumni, first Centennial graduating class

Clemson will honor a Pulitzer Prize-winning alumnus, President Reagan's chief national security adviser, two distinguished alumni and the University's first Centennial graduating class during commencement exercises in Littlejohn Coliseum May 6.

South Carolina native Harry S. Ashmore, a Pulitzer Prize-winning journalist, and Lt. Gen. Colin L. Powell, President Reagan's national security adviser, will receive honorary degrees.

Powell will be the guest speaker.

In recognition of their outstanding service to and support of the University, alumni David L. Milling and John T. Mundy will receive awards from President Max Lennon.

Approximately 1,500 degrees will be awarded to undergraduate and graduate candidates during the 11 a.m. ceremonies.

Ashmore

Ashmore, a native of Greenville, graduated from Clemson with a bachelor's degree in 1937. He attended Harvard University as a Nieman Fellow in journalism in 1941-42. During his World War II service in the Army, Ashmore was the youngest editor of *Stars and Stripes* in the European Theater of operations.

Gen. Colin L. Powell will give the Commencement address May 6

After his return home, Ashmore reported for the *Greenville News*, the *Greenville Piedmont* and the *Charlotte News*, becoming that newspaper's editor in 1947.

Later, as executive editor of the *Arkansas Gazette*, he wrote numerous articles on civil rights, for which he earned a Pulitzer Prize in 1958.

He also served as editor in chief of the Encyclopaedia Britannica from 1960-63.

In 1967, the Clemson Alumni Association awarded him its highest honor, the Distinguished Service Award.

Powell

Powell, a native of New York City, became assistant to the president for National Security Affairs in December 1987. He had been deputy assistant since January 1987.

A 1958 graduate of the City College of New York, Powell served in Germany and the U.S. before two tours in Vietnam.

He has served as a White House fellow to the deputy director of the Office of Management and Budget and as senior military assistant to the deputy secretary and the secretary of defense.

In 1986, he was commanding general of the U.S. Army Corps in Germany.

Milling

Milling, president and co-founder of International Envelope Company of Aston, Pa., is a 1953 mechanical engineering graduate of Clemson.

He is a member of the University's Alumni National Council, the Clemson University Foundation board of directors, The Founders major gift club and the College of Commerce and Industry's advisory board.

Pulitzer Prize-winning journalist Harry Ashmore will receive an honorary degree

In June 1987, with a gift in excess of $100,000, he established an endowment to provide engineering scholarships in honor of his father, 1927 Clemson graduate James A. "Shine" Milling.

Mundy

Mundy, a 1928 Clemson graduate in electrical engineering, has established a tradition of consistent and significant support for his alma mater.

Since 1978, he has created five trusts, each worth approximately $50,000, to support academic programs at Clemson.

Three of the trusts are for graduate fellowships in the department of electrical and computer engineering. One will provide scholarships for undergraduate students in electrical engineering.

The fifth trust will support the Evelyn Marguerite Wilson Mundy Professorship, named for his late wife, in the College of Nursing.

Mundy is a member of The Founders major gift club.

Clemson
WEEKLY
Vol. 27, No. 32 May 4, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Dropout Prevention Center names director

The National Dropout Prevention Center, headquartered here, has named Jay Smink as director. He will assume his duties June 1.

Formerly director of the marketing and dissemination program at the National Center for Research in Vocational Education at the Ohio State University, Smink holds a doctorate in educational administration from Pennsylvania State University.

Jay Smink

director of the National Dropout Prevention Center

Smink has experience in administration, supervision, research and teaching at the secondary and college levels. He has a particularly strong background in vocational education, economic development and dropout prevention programs, says Provost David Maxwell.

"Dr. Smink brings a broad range of experience to the dropout prevention efforts under way at Clemson," said Maxwell. "His 26 years' experience in education, plus his experience directing a nationwide marketing and dissemination program for vocational educators will be invaluable to the goals of the Dropout Prevention Center."

The National Dropout Prevention Center at Clemson University was established in October of 1986 as a clearinghouse for dropout prevention information, to create public awareness of the dropout problem, to develop a nationwide network of dropout prevention resources, to avoid duplication of effort and to work toward finding ways to keep young people in school.

Staff Commission welcomes new members

At its April meeting, the Commission on Classified Staff Affairs welcomed two new members and heard an update on the University's Wellness Program.

New members

Two who will officially join the Commission July 1 are Linda Rice and Ruth Taylor.

Rice succeeds former vice-chairperson Gary McCombs, who has left the University. She will finish the remainder of his term, and in July will become one of the Business and Finance representatives for the next three years.

Taylor, chairperson of the Clemson University Libraries Classified Staff Council, also will begin a three-year term representing the libraries in July. The Commission is expected to round out its membership to 25 this July, including two non-voting, ex-officio members.

Wellness Update

Wellness Coordinator Lynn Lesley told the group that the recent Wellness Challenge, the Tiger Tracks walking groups and the Wellness Wednesday lunches at Edgar's were among the highlights of the program's first year.

Also successful, she said, were the cholesterol screenings, blood pressure checks and diet analyses performed by the Nursing Center.

Other business

In other business, the Commission voted to recommend Mickey Lewis to President Lennon as the Commission's representative to the Traffic and Parking Committee.

Next meeting

The Commission's next meeting is Wednesday, May 11, at 10 a.m. in Room 407 of the College of Nursing building. All interested persons are invited to attend.

Commencement

Friday, May 6
11 a.m.
Littlejohn Coliseum

Departmental notes

Building Science

Roger W. Liska (Head) recently conducted American Council for Construction Education training sessions for prospective accreditation team visitors at the annual meetings of the Associated General Contractors of America (New Orleans), Associated Builders and contractors (San Francisco) and American Institute of Constructors (Costa Mesa, Calif.).

Chemistry

K. Dill (Assoc Prof), **J. W. Kolls** (Asst Prof), and **E. Z. Adams** (Grad Stu) have published an article,"13C NMR Spectral Analysis of Mono and Diphenylarsine Adducts of Glutathione in DMSO" in the bioinorganic section of Inorganica Chimica Acta.

Dill has been granted a Battelle-U.S. Army Summer Faculty Research Program Award for this summer. This is the fourth consecutive year that Dill has received this award, totalling more than $40,000 to date.

Dill has been invited to become a reviewer of manuscripts submitted for publication to the international journal, Magnetic Resonance in Chemistry.

Earth Sciences

George M. Haselton (Prof) presented a poster session March 11 at the Northeast Section of the Geological Society of America in Portland, Maine, entitled "The Glacial Stratigraphy in the Lower Peabody River Valley, New Hampshire."

Haselton has been invited by the American Quarternary Association Field Trip Coordinator to be a field trip leader in northern New Hampshire June 9 - 12. The trip will review evidence in the field for local mountain glaciation, for the formation of ice-dammed lakes, and stratigraphic evidence for late pulses of ice advance during the waning stages of retreat by the North American Ice Sheet.

Elementary & Secondary Education

Bill Fisk (Assoc Prof) has co-authored a professional course on time management for the Thomas Publishing Co., New York. The program was commissioned by a major corporation and is being marketed to business groups.

Barbara Griffin (Assoc Prof) and Bill Pennscott (Prof) presented "The Development of Cohesiveness and Self-Esteem in an Experimental Group Counseling Course" at the S.C. and N.C. Associations for Counseling and Development Convention in Myrtle Beach.

Engineering, Office of the Dean

J. Charles Jennett (Dean) has been selected as a trustee for the American Academy of Environmental Engineers, filling the unexpired term of John F. Andrews. He will continue in a new three-year term beginning this November.

English

Sterling Eisiminger (Assoc Prof) published "A Continuation of a Glossary of Ethnic Slurs in American English" in Maledicta, vol. 9.

Carol Johnston (Asst Prof) chaired the Transcendentalist Session of Philological Association of the Carolinas meeting in Rock Hill March 5.

R.W. Moran (Prof, Asst Dean) published "An Act of God" in Anthology of Magazine Verse and Yearbook of American Poetry" 1986-88 edition.

Moran published four poems: "Nathan's Fortune" and "Double Passage in Mid Life" in Wind, 17 (1987); and "Sunday Morning" and "Her Time of Day" in Yarrow, 8 (1988).

Entomology

P. A. Zungoli (Asst Prof), **E. P. Benson** (Grad Res Asst) and **D. M. Chambers** (Grad Res Asst) published "Arena Test for Evaluating Chemical Repellency in Blattella Germanica (L.) (Orthoptera: Blattellidae)" in the Journal of Economic Entomology 81: 391-395.

Environmental Systems Engineering

C.P. Leslie Grady Jr. (Bowen Prof) presented a paper and a poster at the International Conference for Water and Wastewater Microbiology in Newport Beach, Calif., Feb. 8-11.

The paper, co-authored with **Yunntzer Lu** (Grad Stu) was titled "Effects of Interactions with a Three-Membered Microbial Community on the Kinetics of Dual Substrate Removal in Continuous Culture."

The paper, co-authored with **John K. Mackey** (Grad Stu) was titled "The Influence of Population dynamics on the Steady-State' Biodegradation of 2-Chlorophenol by a Mixed Microbial Community."

Forestry

D.C. Guynn (Prof) presented "Managing and Marketing Wildlife" at the Va.-N.C.-S.C. Forest Landowner Seminar in Charlotte Feb. 27.

Guynn presented the following at the 11th Annual Meeting of the Southeast Deer Study Group in Puducah, Ky., Feb. 21-24:

"The Mt. Holly Plantation Deer Herd: A Case Study in Quality Management" with **J.R. Sweeney** (Prof, Wildlife), R.J. Hamilton (S.C.W. M.R.) and R.L. Marchinton (Univ of Ga.).

"Sociobiological Implications of Quality Management" with Marchinton, Hamilton and K.V. Miller (Univ of Ga.).

"Quality Deer Management: The Hunter Experience" with Marchinton, Hamilton and L.O. Rogers (S.C.W.M.R.).

R.A. Harris (Assoc Prof) published "South Carolina Wood Energy Handbook" for the Governor's Division of Energy, Agriculture and Natural Resources.

Harris published "Dimensional Stability of Red Oak and Eastern White

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

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Pine Dried by Radio-Frequency/Vacuum and Conventional Drying Processes" in Forest Products Journal 38(2):25-26 (February 1988).

J.L. Haymond (Asst Prof) published "NIPF (non-industrial private forest) Opinion Leaders: What Do They Want?" in the Journal of Forestry, April, 1988, pp. 30-35.

Haymond published "Adoption of Silvicultural Practices by Opinion Leaders Who Own Non-Industrial Private Forestland" in the Southern Journal of Applied Forestry 12(1):20-23.

R.L. Hedden (Prof) and J.E. de Steigeur (USDA Forest Service) published "Effects of Aerial Detection Schedules on the Age of Southern Pine Beetle Infestations" in Forest Science 34(1):229-235.

D.D. Hook (Prof), M.R. McKelvin (USDA Forest Service), W.H. McKee Jr. (USDS forest Service and Adj Assoc Prof), **S.U. Wallace** (Asst Prof, Agronomy and Soils) and **J.R. Woodruff** (Prof, Agronomy and Soils) published "Lobolly Pine Seedling Root Anatomy and Iron Accumulation as Affected by Soil Waterlogging" in Canadian Journal of Forest Research, vol. 17, 1987, pp. 1257-1264.

D.N.-S. Hon (Prof) published "Mechanochemistry of Lignocellulosic Materials," ch. 5 (pp. 165-191) in Developments in Polymer Degradation, 1987.

Hon and **L.-G. Tang** (Res Assoc) published "Atmospheric Oxidation of Cellulose Nitrate Lacquers" in Journal of Coatings Technology 60(757):73-76.

A.W.C. Lee (Assoc Prof) and **C.B. Stephens** (Grad Asst) published "Comparative Sheer Strength of Seven Types of Wood Composite Panels at High and Medium Relative Humidity Conditions" in Forest Products Journal 38(3):49-52.

A.P. Marsinko (Assoc Prof), **J.H. Stevens** (Res For) and **S.K. Nodine** (Instr) published "Non-industrial Private Forest Lands and Landowners in South Carolina" as Dept. of Forestry Research Series no. 43.

V.L. Robinson (Assoc Prof) and W.R. Fey (Univ. of Ga.) published "Future Demand for Timber, Part I" as the Southeastern Center for Forest Economics Research Working Paper No. 37."

G.W. Wood (Prof) published "Deer Forage Responses to Prescribed Burning in Coastal Loblolly Pine Stands: Supplementary Data" as C.U. Dept. of Forestry Bulletin No. 54 (13 p.).

History

J.L. Arbena (Prof) presented "Music Without Frontiers: The Transnational Reinterpretation of Music in Latin America" at the annual meeting of the Southeastern Council on Latin American Studies in Knoxville, Tenn., April 14-16.

Richard M. Golden (Prof) was awarded a fellowship to participate at a National Endowment for the Humanities summer institute on French-American contact in early modern times at The Newberry Library in Chicago this summer.

Edwin E. Moise (Assoc Prof) reviewed Vietnam on Trial: Westmoreland vs. CBS by Bob Brewin and Sydney Shaw, and The Search for a Negotiated Settlement of the Vietnam War by Allan E. Goodman in Pacific Affairs, 60, no. 2, pp. 373-375 (Summer 1987).

Jerome V. Reel Jr. (Prof, Vice Provost) has been selected for inclusion in International Who's Who in Music and Musician's Directory (Eleventh Edition. Cambridge, U. K., 1988).

Home Economics

C.T. Mounter (Assoc Prof) will serve on the cooperative relations committee as part of the national committee structure of the American Home Economics Association for 1989-90.

Industrial Education

D.G. Tesolowski (Assoc Prof), **A.F. Newton** (Head) and J.H. Cureton (Training Coordinator, Duke Power) published "Needs Assessment: The Twilight Zone of Management" in Performance and Instruction, 1988, 27(1):26-30.

Languages

Lori Gray (Vstg Instr, Spanish) read a paper March 7-12 entitled "The Teaching Journal" at the 1988 TESOL Conference in Chicago.

Sixto Torres (Assoc Prof, Spanish) chaired the session "Comparative Literature" at the Philological Association of the Carolinas meeting at Winthrop College in Rock Hill March 3-5.

Torres presented a paper "Intertextuality and Aolfonso Sastre's Tragedia fantiastica" at the Film and Literature Conference at Florida State University Jan. 28-30.

Torres published a review of "Entre Lineas: Strategies for Developing Reading Skills" by Laura Martin in The Journal of Education Techniques and Technologies (Spring, 1988).

Torres published "AP and Oral Proficiency Testing" in A Propos, vol. 3, no. 3 (Spring 1988).

Torres published "Teaching Reading Comprehension and the AP Curriculum" in A Propos, vol. 3, no. 2 (Winter 1988).

Torres published a review of "Dos Amigos" by Rogelio Castro-Amaya and Jorge Kattan-Zablah in Hispania, vol. 71, no. 1 (March 1988).

Torres published "Jose Martin Recuerda's New Play: La Trotski" in Estreno: Cuadernos del Teatro Espanol Contemporaneo, vol. 14, no. 1 (Spring 1988).

Torres published "Post-Franco Theatre: Martin Recuerda's New Drama" in USF Language Quarterly, vol. 26, nos. 1-2 (Fall-Winter 1987).

Liberal Arts, Office of the Dean

Robert A. Waller (Dean) published a review of The Mayors: The Chicago Political Tradition in The Journal of American History, vol. 74 (March 1988).

Mangement

M.J. Stahl (Head) and M.M. Yasin (Kennessaw College) presented a paper at the 1988 Northeast Decision Sciences Institute Meeting in Newport, R.I. March 25 on "Facets of the Arab Culture and Their Impacts on the Business Environment." The paper was published in the refereed Proceedings on pp. 270-275.

Marketing

Stephen J. Grove (Asst Prof) co-authored a paper entitled "An Examination of the Myers-Briggs Type Indicator as a Predictor of Decision Performance," which was presented at the annual meeting of the Southeast Psychological Association, March 30-April 2 in New Orleans. Co-authors are **Patricial Knowles** (Vstg Asst Prof) and Donald L. Davis (Assoc Prof at Ole Miss).

Mathematical Sciences

The following presentations were made at the March 11-12 meeting of the Southeastern section of the Society for Industrial and Applied Mathematics held at the University of Tennessee Space Institute in Tullahoma, Tenn.:

Marc Artzrouni (Vstg Asst Prof) presented "A Two-Stage Age Structured Model for the Spread of AIDS in the

United States."

Anil Bose (Assoc Prof) presented "Sufficient Conditions for Two-Dimensional Point Dissipative Non-linear Systems."

Chris Cox (Asst Prof) presented "Implementation of a Divide and Conquer Cyclic Reduction Algorithm on the FPS T-20 Hypercube."

Robert Fennell (Prof) presented "Eigenspace Methods for the Design of Parameter Insensitive Control Laws."

Clark Jefferies (Vstg Assoc Prof) presented "Fluid Dynamics with Pressure Diffusion."

Nursing

P. R. Maybee (Vstg Instr) presented a poster entitled "The Coping Strategies Utilized by Family Members With an Individual in the Intensive Care Unit" at the Nursing Breakthrough: Care Strategies For The Nineties Conference, sponsored by the University of Texas, Hermann Hospital and St. Luke's Episcopal Hospital in Houston, Texas, Feb. 12-13.

Regina Thompson (Asst Prof) and **Mary Barber** (former Asst Prof) presented "Blood Pressure Patterns, Knowledge Level and Health Behaviors in Children and Adolescents" April 9 at Oral Roberts University in Tulsa, Oklahoma and April 22 at the University of South Alabama.

Thompson also was a nominee for this year's Jefferson Award for outstanding community service.

Parks, Recreation and Tourism Management

Gordon Howard (Prof) received the Honor Award for Meritorious Service at the annual meeting of the Southern District of the American Alliance for Health, Physical Education, Recreation and Dance.

F.A. McGuire (Assoc Prof), **J. O'Leary** (Prof, Purdue Univ) and **F.D. Dottavio** (National Park Service) published "Using Nationwide Recreation Survey Data in Developing Recreation Policy and Planning Options" in Policy Studies Review, vol. 7, no. 2 (Winter 1988).

M. Uysal (Asst Prof), **C.D. McDonald** (Asst Prof) and J.T. O'Leary (Purdue Univ) published "Lengths of Stay: A Macro Analysis for Cross-Country Skiing Trips" in Journal of Travel Research 26(3), 1988.

McGuire, O'Leary and Dottavio published "The Relationship of Early Life Experiences to Later Life Leisure Involvement" and "Age of First Hunting Experience: Results from a Nationwide Survey" in Leisure Sciences, vol. 9, no. 4, 1987.

McGuire published a chapter entitled, "Leisure and Aging" in Recreation and Leisure: An Introductory Handbook (Venture Publishing, 1987).

McGuire presented a workshop on "Constraints to Leisure Involvement in the Later Years" at the 1988 Activity Therapies Symposium in Columbus, Georgia.

S. Pyo (Ph.D. student), M. Uysal and **R. Howell** (Assoc Prof) published "An Exploratory Study of Visitor Preferences at the 1988 Seoul Olympic Games" in Tourism Management Journal, March 1988.

Uysal and **C. D. McDonald** (Asst Prof) published "Changing Travel Patterns of the American Public: Visitors for the Future" in the Journal of Physical Education, Recreation and Dance, March 1988.

Uysal, J. T. O'Leary (Purdue University) and **R. Howell** (Assoc Prof) published "Travel Patterns and Expenditures of the Mature Market" in Visions in Leisure and Business Journal, 6(2) 1987, pp. 39-51.

Uysal and O'Leary published "Tourism Marketing to Ethnic Travelers" in Minority Marketing Issues and Prospects, Academy of Marketing Science, Special Conference Series vol. III, pp. 46-50, 1987.

K. Andereck (Ph.D. student) and M. Uysal presented "International Tourism on Public Lands in the U.S." at the Benchmark 1988: National Outdoor Recreation and Wilderness Forum in Tampa, Florida.

E. Schoen (Former Stu), M. Uysal and C. D. McDonald published "Attitudes of Faculty Members Toward Treatment of Disabled Students Reexamined" in College Student Journal 21(2) 1987.

Brian Mihalik (Assoc Prof) has received a $48,398 grant from the Washington office of the National Park Service to conduct a two-week microcomputer class, a one-week natural resources law class and to conduct research into the integration of microcomputers in natural resource management issues.

Grant Cunningham (Grad Asst) and Mihalik published "For the Small Minority Business: A Trade Show May Be Your Best Marketing Alternative" in Proceedings of a Special Conference on Minority Marketing for the Academy of Marketing Sciences.

Performing Arts

Richard Leeman (Instr) presented "Robert E. Lee's 'Farewell to the Troops': The Eulogy of a Symbol" at the annual Southern Speech Communication Association Convention in Memphis, Tenn., April 10.

Plant Pathology and Physiology

M. Mazzola (Former Grad Stu) and **G.E. Carter** (Prof) published "Peach Rootstock Characterization by Protein Analysis" in HortScience, vol. 23(1):119-120.

Psychology

T.R. Alley (Asst Prof) and **B.R. Stephens** (Asst Prof) presented "Attractiveness May Influence Infant Visual Preferences for Normal- and Contrast-Reversed Faces" at the 10th Biennial Conference on Human Development in Charleston March 17.

Agenda for May 5 General Faculty Meeting 8 a.m., Tillman Auditorium

- Call to order
- Approval of minutes
- Introduction of and report by immediate past president of the Faculty Senate
- Introduction of new Faculty Senate president
- Recognition of Jack Stevenson, chairman of the Scholarships and Awards Committee
- Awards presentations:
  Emeritus certificates to retiring faculty
  American Association of University Professors Award
  Outstanding Research Award
  Frank A. Burtner Award for Excellence in Advising Students
- Faculty presentations
- Introduction of President Lennon
- President's address
- Vote on change in policy statement
- Adjournment

Clemson
WEEKLY
Vol. 27, No. 33 May 11, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Conservative scholar to deliver May 23 address on state's ratification of U.S. Constitution

One of America's leading conservative scholars will be the featured speaker May 23 for the University's celebration of the 200th anniversary of South Carolina's ratification of the U.S. Constitution.

Conservative scholar M.E. Bradford will speak May 23 in Daniel Auditorium

M.E. Bradford will speak at 2 p.m. in Daniel Hall Auditorium on "The Dynamics of Constitutional Ratification." His talk is sponsored by the English and political science departments with a grant from the Earhart Foundation through the Young America's Foundation.

Bradford is a regular contributor to the National Review and other conservative publications.

He is recognized as a leading scholar on the subjects of William Faulkner and the founding of American government and holds the joint Professorship of English and American Studies at the University of Dallas.

Bradford serves on the U.S. Board of Foreign Scholarships, which oversees and approves all Fulbright Grants worldwide. He also was the first person ever to serve as a National Endowment for the Humanities Senior Fellow in both American Literature and American Politics.

Management department opens expert systems lab

The management department has opened a unique laboratory and dedicated classroom to conduct research in practical applications of expert systems for businesses and business schools.

IBM awarded research contracts and equipment, valued at $705,000, for the lab and classroom to the department last fall. Students will begin using the facilities in August.

"This particular project is the only one of its kind involving IBM, a business school and expert systems research for practical business and business school applications," says Mike Stahl, head of the department.

The department's recent success in developing instructional programs based on the Manufacturing Accounting and Production Information Control System (MAPICS) for IBM was the major reason Clemson was chosen for the expert systems project.

"We look forward to duplicating our success with IBM through the largest research contracts in our department's history," says Stahl.

(From right to left) Management Head Mike Stahl, President Max Lennon and IBM representatives J. Steve Bunch and Roy Little cut the ribbon to dedicate the new IBM Expert Systems Lab.

Briefly

University names Facilities Maintenance and Operations chief

Michael D. Faires

the new Facilities Maintenance & Operations head

Michael D. Faires has been named assistant vice president for Facilities Maintenance and Operations (previously known as the Physical Plant).

Faires comes to Clemson from the University of Wyoming, where he was director of that school's physical plant. Previously, he served as physical plant director at Idaho State University, as director of security and services at Mars Hill College and as assistant chief of police at West Georgia College.

The Flagstaff, Ariz., native holds a bachelor's degree in special education from West Georgia College and a master's in public administration from Western Carolina University.

A licensed pilot, he also has served in the U.S. Army Special Forces Airborne as an engineer.

While at Wyoming, Faires was responsible for overseeing 16 departments, 260 employees and an $11.5 million annual budget. The school also boasted 3.4 million square feet of academic space and 1.4 million square feet of non-academic space, all of which was spread over 753 acres.

Here, he will oversee 23 departments, 350 employees and a $13 million annual budget. Clemson has more than 5 million gross square feet and 860 acres.

Genetics researcher receives award

A consultant and researcher in biometry and genetics is the recipient of the second annual W.C. Godley Award for Excellence in Agricultural Research at Clemson University.

Peter Burrows, professor of experimental statistics here since 1975, received the honor at the annual awards banquet of the Clemson chapter of Gamma Sigma Delta national agricultural honor society.

The Godley award is named in honor of Willie Cecil Godley, former director of the S.C. Agricultural Experiment Station.

The $1,000 award is allocated from interest income of a fund established upon Godley's retirement in 1986.

Fourth phonathon sets giving record

The fourth annual student phonathon for the Clemson Loyalty Fund resulted in a record $436,000 in gifts and pledges for 1987-88.

When callers hung up their phones for the last time April 14, they had passed the third goal set during the academic year.

They topped their first goal ($257,000) after less than two months of calling last fall. Then the second goal ($350,000) fell. The third goal was $425,000.

The students recorded pledges from 9,159 alumni (53 percent of those called). The average pledge was more than $47.

Travel Center offers Eurrail Passes

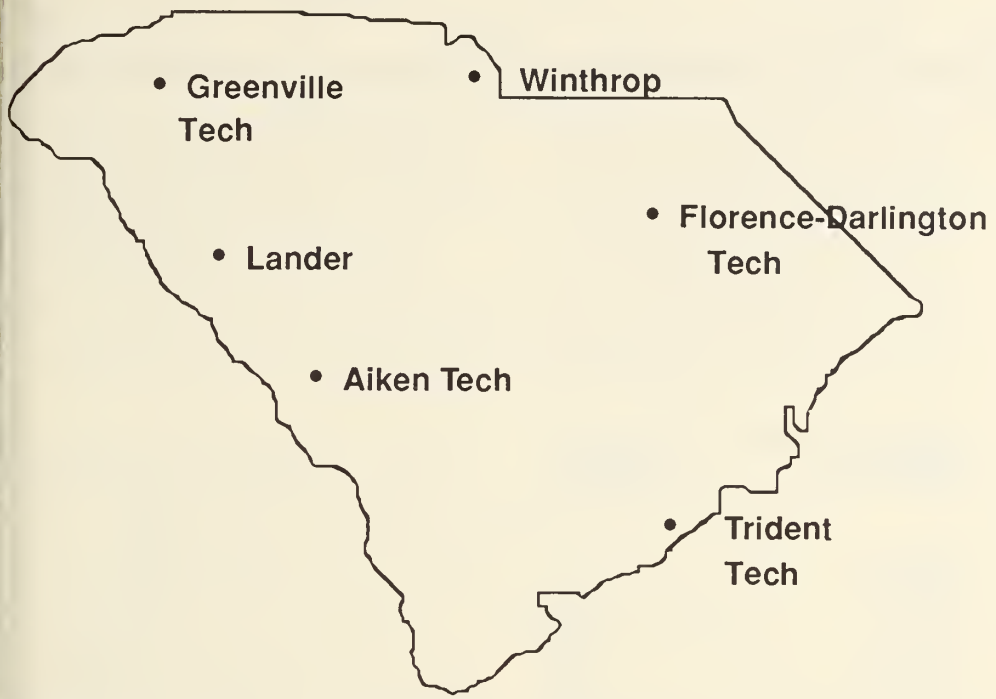
If you're planning on rail travel throughout any of 16 European countries this year, all you need is five minutes to stop by the University Union Travel Center and pick up a Eurrail Pass.

For more information, call the Travel Center at 656-5833.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, May 13 for May 25 issue.**



The University's Telecampus program has expanded from four to six sites across the state.

They are:

1) **Greenville Technical College (Greenville),**
2) **Lander College (Greenwood),**
3) **Winthrop College (Rock Hill),**
4) **Aiken Technical College (Aiken),**
5) **Florence-Darlington Technical College (near Florence),**
6) **Trident Technical College (Charleston).**

Telecampus offers new course, expands classes

The University's Telecampus program will offer a graduate course in education called Scientific Principles of Coaching.

Taught by Rob Hefley, coaching education specialist in the department of elementary and secondary education, the course will focus on a variety of topics ranging from exercise physiology to legal issues in athletics. Class begins June 29, and registration currently is under way.

Since January, Telecampus has offered graduate-level courses through closed-circuit TV to four sites in South Carolina — Winthrop College in Rock Hill, Lander College in Greenwood, Greenville Technical College and Florence-Darlington Technical College.

For summer and fall semesters, Telecampus has expanded to include classes at Trident Technical College in Charleston and Aiken Technical College.

Courses for fall will include Integrated Pest Management 601, Civil Engineering 840, Building Science and Management 865, Education 868, Health 610 and Nursing 807.

Telecampus courses are broadcast via S.C. ETV's Instructional Television Fixed Service, providing students with the opportunity to view the course as well as interact with the instructor and fellow students through a two-way audio system.

For more information, write to Telecampus, E-207 Martin Hall, Clemson University, Clemson, S.C. 29634-5121 or call toll-free 1-800-922-8316.

Computer science gets $870,000 system

In an effort to promote research and development in parallel computer systems, Concurrent Computer Corporation has pledged to give a computer system valued at $870,000 to the computer science department.

The gift was announced during the Centennial meeting of the Board of Trustees May 4.

The system, says Computer Science Department Head Joe Turner, comprises four parallel processors and will allow faculty and graduate students to conduct intensive research in parallel computation.

Parallel processors are independent computers connected by a high-speed link that carry out several operations simultaneously. "This system can do four times the amount of work in a given period of time," says Turner.

Parallel processing typically is used to solve intensive computational problems, he says.

The department conducts about $1 million worth of research annually, some $400,000 of that in parallel processing.

The Concurrent system most likely will be installed during the fall.

In faculty address:

Lennon lists competitive compensation as priority

In his address to the faculty last week, President Max Lennon said the most significant problem facing Clemson University is providing competitive compensation for faculty and staff.

"Recent surveys show that Clemson faculty salaries lag behind those of our peer institutions in the Southeast and across the nation," he said. "We simply must correct this imbalance. Otherwise, Clemson will become an academic 'farm club' where bright young faculty members spend a few years before being lured elsewhere by 'major-league' salaries."

Lennon said Clemson faculty and administrators are aggressively exploring what can be done internally to address the problem.

"With equal vigor, we will continue to pursue this as a top priority in our requests for funds and management flexibility from the state."

Sigma Xi honors two researchers

Stanley Nicholas, director of the Office of University Research, and Miguel Larsen, professor of physics and astronomy, have received awards from Sigma Xi.

Nicholas received the Sigma Xi Award for Support of Research.

During his eight-year term as OUR director, the University's patent program increased from basically zero in 1980 to nearly $1 million annually.

Larsen received the Sigma Xi Outstanding Research Scientist Award for 1988 in recognition of his significant investigations in atmospheric physics.

Larsen was presented with a plaque at the annual banquet of the University's chapter of Sigma Xi and will have his name inscribed on a plaque which will hang in the foyer of Sikes Hall.

Graduation '88

Four faculty receive awards during meeting

At the general faculty meeting May 5, the University honored some of its finest teachers and researchers.

Civil Engineering Professor Ben Sill, an expert in developing preventive measures to combat beach erosion, received the Alumni Award for Distinguished Achievement in Research, presented annually by the Clemson Alumni Association.

Sill is best known for research that involves testing seawalls and developing alternative preventive measures.

George Skelley, a professor of animal science, received the Frank A. Burtner Award for Excellence in Advising Students. The award is made possible by a gift from Clemson professor and student adviser Frank Burtner.

Marketing Professor Jacquetta McClung and Languages Professor Margit Sinka received American Association of University Professors Awards of Merit, which are presented annually by the Clemson Chapter of AAUP to individual faculty "whose lives and work embody the highest ideals of the academic profession."

School ends with May 6 commencement

At last Friday's commencement exercises, mechanical engineering Professor Gene Bishop was honored as the University's 1988 Master Teacher.

The Student Alumni Council annually selects the Master Teacher from nominees submitted by students.

Animal science major Mary Elizabeth Poole of Charleston was honored at commencement with the Norris Medal, given annually to the graduate judged to be the best all-around student.

She also shared the Faculty Scholarship Award with mechanical engineer Mary Yvonne Bamert of Summerville and biochemist Nancy Faye Strom of Arroyo Grande, Calif.

The award recognizes the graduate with the highest grade point average.

Each of them graduated with a perfect 4.0 average.

Clemson WEEKLY

Vol. 27, No. 34 May 25, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

University offers first All-Sports Camp for kids

The University will sponsor its first All-Sports Camp this summer, allowing boys and girls from eight to 13 to learn new sports, improve their skills in familiar sports, and receive specialized instruction in three of 14 different activities.

The camp, offered by the intramural sports department in Fike Recreation Center, will include 14 sports for two one-week sessions, June 19-24 and July 10-15.

Campers, grouped by age and ability, will learn the basics or advanced skills in three sports of their choice.

"A limit of 20 campers per activity class will allow more personal attention from our qualified instructors and enhance the children's learning experiences," says Dewilla Gaines, assistant intramural director.

The campers also will have access to all Fike facilities.

Camp tuition, $300, covers all expenses for the week, including housing, meals, insurance, activity fees, snacks and a camp T-shirt. Day-camp tuition of $260 includes all expenses except housing.

A nonrefundable deposit of $100 is due with each application.

The balance, a physician's statement and a parental permit must be received at least two weeks prior to the date the camper's session begins.

All proceeds from the camp will be used to fund graduate assistantships for the department of physical training and intramural sports in honor of James Banks McFadden, Clemson intramural director from 1970 to 1985.

For further information, write Gaines at 251 Fike Recreation Center or call her at 656-2119.

Commission on Classified Staff Affairs 1988 Election Results

(Note: Terms begin July 1, 1988 and end as indicated.)

ACADEMIC AFFAIRS:		
Ruth Taylor	Library Technical Assistant IV Cooper Library (5174)	1991
Claudia Martin (Alt)	Library Technical Assistant IV Cooper Library (3027)	1991
Vacant		1991
ADMINISTRATION:		
Jackie Green	Administrative Assistant II Office of Human Resources E103 Martin Hall (3181)	1991
Helma Gentry (Alt)	Assistant to President Office of the President 201 Sikes Hall (3413)	1991
AGRICULTURE AND NATURAL RESOURCES:		
Yvonne Miller	Staff Dev & Trng Specialist Extension Administration 107 Barre Hall (3383)	1991
Paula Henderson	Clerical Specialist C Horticulture 161 Poole Agricultural Center (2565)	1991
Diane Lollis	Administrative Specialist A County Agent Office — Anderson Box 1797, Anderson, S.C. (226-1581)	1990
Cary Caines	Staff Assistant I Ag Econ & Rural Sociology 220 Barre Hall (5760)	1989
Gaffney Blalock (Alt)	Assoc Dir—Livestock-Poultry Livestock and Poultry Health Box 218, Elgin, S.C. 29045 (788-2260)	1991

(continued on back)

Computer courses available May 31

Starting May 31, Consulting and Technical Services will offer free computer short courses to all faculty, staff and students interested in learning more about University computing capabilities.

The following introductory courses will be available on:

- The IBM Personal Computer and its compatibles.
- The Apple Macintosh, including MacWrite and MacPaint.
- How to create files and directories, use electronic mail, access on-line help and how to run a simple FORTRAN program.
- SAS programming language.
- TSO and the Clemson Editor for preparing documents and writing programs.
- The NAS Mainframe, including how to read, send, delete and print electronic mail, sending and replying to mail, and getting help.
- The Interactive Output Facility.
- How to format a text document on the NAS mainframe using the Document Composition Facility.

Registration

Interested persons can register by phone (656-3724) or in person at the Help Desk.

Those registering by phone should have the following information ready: name, University ID number, course and section numbers, home number, office number (faculty/staff), department or major, and NAS userid.

For more information, call the CTS Help Desk at 656-3724.

Clemson Weekly **is going on a half-time schedule until July.**

The next issue will be June 8 (schedule subject to change).

Staff Commission election results (continued)

Ann Duncan (Alt.)	Administrative Assistant Extension Administration 107 Barre Hall	1991
BUSINESS & FINANCE:		
Linda Rice	Risk Manager Business Services 204 Sikes Hall (2583)	1991
Charlie Butts	Facilities Maintenance & Operations Klugh Avenue (2186)	1991
Ann Hughes	Clerical Specialist C Purchasing & Supply Services Service & Support Facility (2390)	1990
Roy Reid	Facilities Maintenance & Operations Klugh Avenue (2186)	1989
INSTITUTIONAL ADVANCEMENT:		
Bonnie Dixon	Director of Special Events Alumni Relations Alumni Center (2345)	1990
Peter Pepinsky (Alt.)	Director, Agricultural Communications A-101 Poole Agricultural Center (4741)	1990
STUDENT AFFAIRS:		
Linda Cartee	Executive Support Specialist Athletic Administration Jervey Center (2101)	1990
Mary Jo Craig (Alt)	Key & Peripheral Operator Admissions and Registration 104D Sikes Hall	1990
Verna Howell	Director of Resident Life Student Housing 200 Mell Hall (2295)	1991
Sandy Smith (Alt)	Nurse Supervisor Student Health Center Redfern Health Center (3571)	1991

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Clemson
WEEKLY
Vol. 27, No. 35 May 31, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

University names research vice president

A University administrator has been named vice president for research, President Max Lennon has announced.

G. Jay Gogue, associate director of the Office of University Research, will step into the the newly created position July 1.

He was selected after a nationwide search on the basis of his "expertise in research administration, his keen awareness of the process of writing grants and contracts, and his aggressive approach toward research at Clemson," says Lennon.

"Jay has been a remarkably successful liaison between government, industry and Clemson University researchers," he says. "We've seen the amount of research at Clemson grow by the millions of dollars since he joined our staff just two years ago."

Gogue was chosen from 88 applicants after a painstaking selection process that began in February, says John Petersen, chairman of the search committee. The committee was composed of 12 members from all nine colleges.

Before coming here in June of 1986, Gogue was regional chief scientist at the Southeast Region National Park Service in Atlanta.

In addition, he has served as an assistant professor in the department of horticultural science at Texas A&M University and was a research scientist for the southwest region of the National Park Service.

Gogue's appointment brings the number of University vice presidents to seven.

Alumni give half million for scholarships, unrestricted academic endowment

Recent gifts from three alumni total half a million dollars.

David L. Milling of Media, Pa., will give $300,000 for scholarships, while Thomas C. Lynch of Clemson and Currie B. Spivey of Greenville each will give $100,000 to the unrestricted academic endowment.

All three donors are members of the board of directors of the Clemson University Foundation, which raises private funds to benefit the University.

Milling's gift will fund three Presidential Scholarships, each supported by a $100,000 endowment, for students in the Colleges of Engineering and Commerce and Industry.

Like an earlier engineering scholarship Milling established with a $107,000 gift in 1986, the new scholarships will be named for his father, 1927 Clemson graduate James A. "Shine" Milling.

David Milling, president and co-founder of International Envelope Co. of Aston, Pa., graduated from Clemson in 1953.

The gifts from Lynch and Spivey will provide annual investment income for needs and programs in accordance with University priorities, says Gary A. Ransdell, vice president for institutional advancement.

"The unrestricted endowment gives us the flexibility to respond to emerging needs and possibilities," Ransdell says.

"This flexibility is critical to the University's ability to capitalize on new developments and new opportunities important to our students, the faculty, our constituents and the state."

Lynch, a pharmacist and 1958 Clemson alumnus, owns and operates Lynch Drug Co. in the city of Clemson.

Spivey, president and chief executive officer of Ballenger Group Inc., is a 1958 Clemson graduate.

'Old-style' picnic on Bowman Field set for June 4

When Saturday, June 4, gets here, be sure to bring a picnic basket to Bowman Field because the town is throwing the University a Centennial party.

Everyone is invited to an old-fashioned community picnic from 6 to 10 p.m., and you can even wear old-style dress (like they did in Thomas Green Clemson's day) to join in the fun.

Sponsored jointly by the city and the Greater Clemson Chamber of Commerce, the evening will feature free entertainment by the Little River Band, the Carolina Cloggers, a dixieland jazz band and the Community Chorale.

Earlier that afternoon, the Clemson Rotary Club will sponsor drag boat races on Lake Hartwell.

New fund to benefit agricultural research here

A fund-raising effort will be launched next month for the Godley-Snell Fund, which aims to encourage excellence in agricultural research at Clemson.

Investment income from the fund will provide for an annual cash award for an outstanding agricultural researcher.

"This fund is the only one of its kind here that relates specifically to agricultural research," says Bobby Barnett, acting coordinator of development in Agriculture and Natural Resources.

The fund was established in 1986 by Cecil Godley, who retired as S.C. Agricultural Experiment Station director, and by Ab Snell, who retires in June from his position as associate director of the Experiment Station.

Both contributed to the fund and agreed that upon Snell's retirement, a drive would be started to raise further contributions. The award, formerly known as the Godley Award, will now be known as the Godley-Snell Award.

"The fund currently contains about $25,000 and the goal is to reach $60,000 by the end of the calendar year," says Barnett.

Snell retires after 39 years' service to Clemson. He joined the faculty in 1949 as an assistant professor of agricultural engineering. He served as head of that department from 1955 until 1975, when he was named associate director of the Experiment Station.

For 18 months following Godley's retirement, Snell served as acting director of agricultural research and acting director of the Experiment Station.

The research award was first given in 1987 to Mark Henry in agricultural economics and was awarded to Peter Burrows in experimental statistics in 1988.

College of Education sponsors conference on leadership

A manager from Control Data Institute and a nationally known authority and consultant on leadership styles and effective time management will highlight the Third Annual School Administrators Leadership Conference June 15-16 in Clemson.

Joseph Scherer, manager of marketing for Control Data Institute in Rockville, Md., will give the conference's keynote address Wednesday morning on "Leadership and Vision or Turtles All the Way Down."

Sterling Huggens, president of Executive Control Systems in Linwood, N.C., will conduct a session on situational leadership.

The conference, sponsored by Clemson University's College of Education and the Leadership in Educational Administration Development project, will be held at R.C. Edwards Jr. High School. Anyone interested in education is invited to attend.

For more information, write Don Fuhr, associate professor of education, at 409 Tillman Hall or call him at 656-3485.

Changes in computer IDs begin July 1

If you have a University computer ID (and even if you don't), you should take note of some changes scheduled for July 1 by the Division of Computing and Information Technology:

- If you already have an ID on the University's mainframe computer and you have a different ID on the VAX computers, your ID may be changed to be the same on both systems.
- If you don't have a ID on the University's mainframe computer at present, you will automatically be assigned one by July 1 if you're a faculty or staff member. The ID will also allow you to use several on-line systems maintained by Administrative Programming Services (LUIS, DORIS). The ID will remain active as long as you are employed here.
- Your department head or account supervisor can authorize you to use electronic mail and TSO facilities, run batch jobs and allocate permanent datasets up to three megabytes.
- Account numbers for academic and administrative work will not expire. (Grants and contracts will be handled as usual). Monthly reports also will be sent out to these account numbers.

For information, call 656-3494.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Repair work begins on Calhoun Mansion

The Memorial Day fire at the Calhoun Mansion damaged this area near the South entrance. Structural damage is estimated at $5,000.

Craftsmen from Facilities Maintenance and Operations have begun repair work on the historic John C. Calhoun Mansion, which was damaged by a fire May 30.

Another fire at an off-campus apartment building killed Joyce Austin, a graduate student in food science from Greenbelt, Md. That fire is believed to be connected to the one at the Mansion.

Police say both fires were the work of arsonists. Reward funds have been established by the Clemson City Police Department and University faculty members. *(see related story)*

The Calhoun Mansion fire began at the South entrance of the 163-year-old structure. The building's automatic sprinklers contained the flames until firefighters were able to respond to the alarm shortly before 3 a.m.

Structural damage, which has been estimated at $5,000, was limited to two exterior walls and a small interior portion of the home's parlor and furnishings.

The Mansion is the former home of South Carolina Statesman John C. Calhoun and later his son-in-law, Thomas Green Clemson, who in his will stipulated that the Ft. Hill house be kept in repair and open to visitors.

Professors establish reward fund for information on May 30 fire

A reward fund to assist Clemson police in soliciting information about the two fires which claimed a graduate student's life and damaged the Calhoun Mansion has been established through South Carolina National Bank in Clemson.

This reward fund was established by a group of University professors to encourage Clemson area residents to come forth with any information pertinent to the crimes.

The fund is separate from the $1,000 reward Clemson Police have established for information leading to the arrest and conviction of suspects involved in the May 30 fires. However, the reward fund will be disbursed at the discretion of the Clemson Police Department.

Anyone wishing to contribute to the reward fund can do so at either of the two South Carolina National Bank branches in Clemson.

Also, persons wishing to contribute funds or items to the survivors of the Forest Hills apartment building fire should call the Baptist Student Union at 654-4101.

Hill named site manager for apparel project

James Edward Hill

the new apparel project site manager

James Edward Hill, an Arkansas native with 16 years' experience in apparel manufacturing management and industrial engineering, has been named site manager of the Apparel Advanced Manufacturing Technology Demonstration Center for the School of Textiles.

Hill graduated in 1970 from Mississippi State University with a bachelor's degree in production management and from the U.S. Army Officer Training School in Fort Knox, Ky. He completed Military Intelligence School at Fort Holibird, Md., in 1971.

Prior to joining Oxford Industries as an industrial engineering trainee in 1972, Hill served as a special agent in the Washington, D.C., military intelligence field office.

Hill has worked for Aileen, Inc., as division manager for four manufacturing plants in Virginia.

He also has served as general manager of Raycord, Inc., in Spartanburg.

Clemson Players present 'Tomfoolery'

The Clemson Players will present the musical revue "Tomfoolery" through June 18 at 8 p.m. in Daniel Hall Auditorium.

Tickets are $4 for the public, $2 for faculty and staff and free to students with a University ID.

To make reservations, call 656-2476. Box Office hours are 1-5 p.m., plus 6-9 p.m. June 15-18.

U.S.'s first international peach symposium to be held June 19

Scientists and peach growers from around the world will convene here June 19-23 for the International Peach Symposium to discuss the latest innovations in peach production.

Sponsored by the International Society for Horticulture Science, the symposium is held every four years.

This will be the first time it has convened in the United States, says D.C. Coston, professor of horticulture and organizer of the symposium. Co-chairman is John Ridley, an Extension tree fruit specialist in the horticulture department.

Topics to be discussed include: genetics, breeding and biotechnology; peach tree physiology; postharvest technology; and production practices.

The symposium not only is an international gathering for peach experts, but also is an official event of the University's Centennial celebration, Coston notes.

One hundred scientists representing 15 countries, and several peach growers from Australia, Portugal and the United States will attend, he says.

South Carolina's peach industry leads the nation in peach production along with California.

Mammalogists Society to meet June 19

Some 500 participants are expected to attend the 68th Annual Meeting of the American Society of Mammalogists June 19-23.

This is the first time Clemson has sponsored the gathering.

Researchers from Argentina, Libya, Mexico, Australia and the United States have registered.

The conference is the largest annual gathering of experts in mammalogy — the study of mammals — in the nation. Experts will present papers on everything from threatened and endangered mammals in South Carolina to the evolution of Alaskan moose.

Wildlife artists also will exhibit their work and sell t-shirts and handmade jewelry during the conference to be held in the Palmetto Ballroom.

Also, various wildlife organizations plan to sell research equipment at the conference, ranging from live traps to computers.

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Clemson
WEEKLY
Vol. 27, No. 37 June 29, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

July 4 FunFest to feature fun, food, fireworks

For fun, food, fireworks and a fantastic time on the Fourth of July, you only need to travel as far as Y-Beach.

Come celebrate the patriotic holiday at the seventh annual Clemson July 4 FunFest, featuring family-oriented entertainment all day.

Here's the schedule:

Morning:

A two-hour mini-Olympics for young people kicks off at **10 a.m.** with archery, swimming and track and field events.

Bring a lunch and picnic at noon, or purchase pizza or hotdogs from one of the refreshment booths.

Afternoon:

After lunch, the afternoon will be filled with an arts and crafts fair, demonstrations of radio-controlled model airplanes, a classic sports car exhibit, a fire truck hose spraying (a refreshing way to beat the heat from the University Fire Department), games for young people, and swimming, volleyball, Frisbee golf, tennis and canoeing.

At **4 p.m.**, the one-mile fun run begins, with prizes for all entrants and trophies for the winners. Entry fee is $2.

Afterwards, everyone can enjoy old-fashioned events, such as sack races, an egg toss and three-legged races.

Evening:

From **5 to 7 p.m.**, barbecued chicken will be served by chef John Welter, a University poultry scientist. (Tickets, available for $4.50 at Lynch Drugs, Holtzendorff YMCA Center and the Y-Beach in Clemson, should be purchased by June 29.)

After-dinner entertainment will feature bluegrass music by the Carolina Mountain Boys at **6 p.m.**, a variety of music by the local band White Lite at **7, 8:15 and 10:15 p.m.**, a clogging demonstration by the Junction Cloggers of Seneca at **7:45 p.m.**, and patriotic music by Clemson Community Chorale (during which children will launch red, white and blue balloons) at **9 p.m.**

The Y's famous fireworks display over Lake Hartwell tops off the day at **9:40 p.m.** and will be followed by an hour of music for a post-fireworks dance.

FunFest is sponsored by the Clemson University YMCA, the City of Clemson and the Clemson Chamber of Commerce.

College of Education names new dean

Gordon Gray

the new dean of the College of Education

Gordon W. Gray has been named the new dean of the College of Education.

Gray has been a member of the Clemson faculty since 1968 and has served as head of the department of elementary and secondary education since 1984.

He earned his bachelor's and master's degrees from East Tennessee State University and a doctorate from the University of Tennessee.

Provost David Maxwell says the University conducted a nationwide search for someone to fill the education dean position.

"Educating teachers to meet the ever-increasing demands of elementary and secondary education is an important mission of this University," he says.

"The person who directs that effort will face tremendous challenges. Through 20 years of research and teaching here at Clemson, Gordon Gray has shown he has the necessary leadership for the job."

Gray will assume his duties July 1.

He replaces Dean James Matthews, who is returning to faculty status in the College of Education, where he teaches school administration.

With this issue, *Clemson Weekly* returns to its usual weekly schedule.

The next issue is scheduled for July 6.

Campus streets scheduled for summer resurfacing

If you drive in one morning and find barricades in front of your favorite parking space, don't worry.

For the next few weeks several streets on campus will be resurfaced, meaning you may have to alter your parking plans a bit.

Streets to be resurfaced are:

Morrison Road
Betty Newton Road
Lee Hall to Cemetery Hill Road
Street behind fraternity dorms
Parkway Drive
Street behind stadium (west end)
Calhoun Drive
Fernow Street
Calhoun Mansion
Behind Riggs Hall
Bryan Mall
Cherry Road (South Palmetto to Perimeter Road)
South Palmetto
Street west of Facilities Maintenance (Physical Plant)

Barricades will be removed as soon as resurfacing is complete.

Fike announces summer schedule, East Beach closes because of low water levels

Fike's summer schedule is:

Recreation Center
7 a.m. - 8 p.m., weekdays
noon - 6 p.m., Saturdays
1-6 p.m., Sundays

Pool
11 a.m. - 8 p.m., weekdays
noon - 6 p.m., Saturdays
1-6 p.m., Sundays

Littlejohn Coliseum
7:15 a.m. - 6 p.m., weekdays
closed, weekends

Tennis Center
(booked for camps until Saturday, July 16)
7:30 a.m. - 9 p.m., weekdays
8 a.m. - 7 p.m., weekends

Also, East Beach has been closed for the season because the extremely low water levels are potentially hazardous to swimmers.

All recreation facilities will be closed Monday, July 4.

For more information, call 656-2308.

Free computer short courses still available

Free computer short courses are available to all faculty, staff and students.

To register, call consulting and technical services (CTS) at 656-3724.

The courses will be offered again in September.

1200 — Introduction to the Macintosh

A basic overview of the Macintosh, MacWrite and MacPaint for the new user.

Section 5
July 20 (Wednesday)
3-4 p.m.
Martin M-4

Section 6
July 25 (Monday)
3-4 p.m.
Martin M-4

1500 — Introduction to TSO and the Clemson Editor
Section 3
July 18, Monday
3-4 p.m.
Martin M-1

1510 — Introduction to Mail on the NAS Mainframe
Section 1
July 11 (Monday)
3-4 p.m.
Martin M-1

Section 2
July 12 (Tuesday)
3-4 p.m.
Martin M-1

Section 3
July 13 (Wednesday)
3-4 p.m.
Martin M-1

Section 4
July 21 (Thursday)
3-4 p.m.
Martin M-1

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

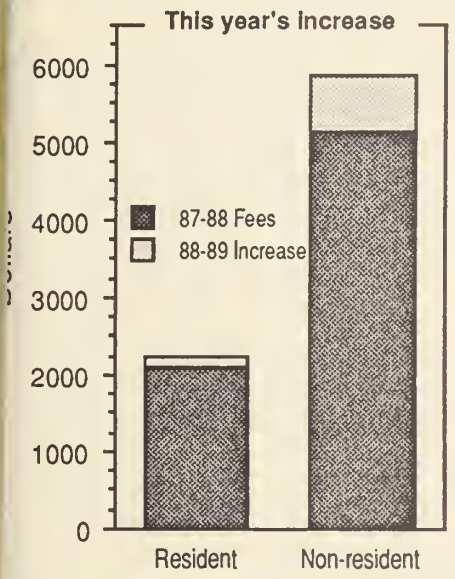
We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, July 1, for July 13 issue.**

Clemson WEEKLY

Vol. 28, No. 1 July 6, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Trustees approve tuition increase for fall



Clemson undergraduate resident fees will increase 6.2 percent; non-resident fees will increase 13.6 percent this fall.

The Clemson University Board of Trustees has approved student fee increases for the 1988-89 academic year.

The increases will be 6.2 percent ($130 per year) for in-state students and 13.6 percent ($700 per year) for non-South Carolinians.

The Board will receive the University's detailed budget at its regular Aug. 5 meeting, but voted during a June 24 telephone conference call meeting to approve the new fees and grant the administration authority to continue operations based on the preliminary budget outlining expenditures of $250 million.

David Larson, vice president for business and finance, told the Board the administration was able to keep the in-state fee increase low because of the higher level of state funding this year.

Clemson's state appropriation will be more than $68 million for the new fiscal year.

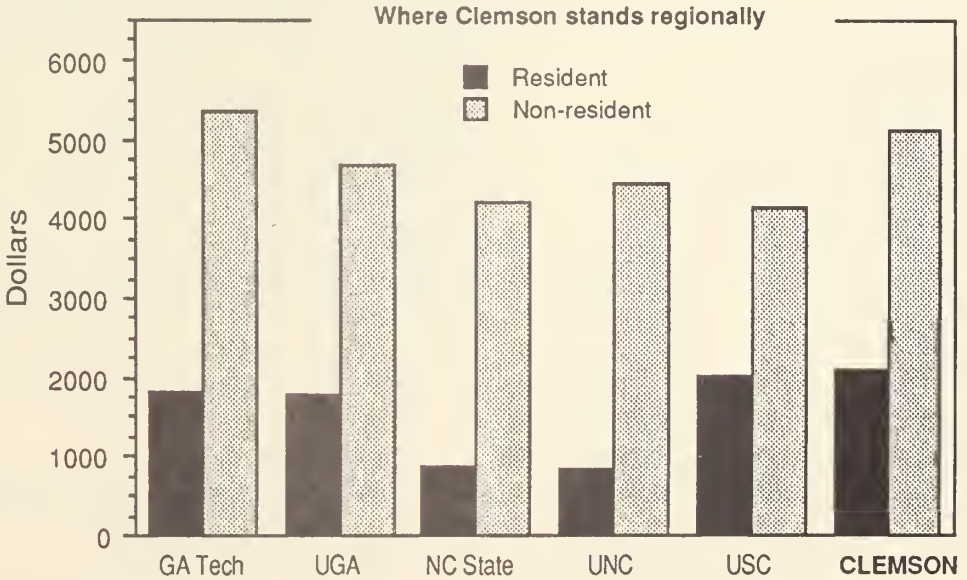
"The cumulative effect of $16 million in funding shortfalls from full formula levels over the past five years, however, has caused Clemson's appropriation to lag behind both inflation and peer institution funding," Larson said.

"Further, most other states are not required to use student fees to match pay raises."

The budget being recommended to the Board includes $5.5 million in salary increases (of which $2.5 million is specifically allocated by the state), plus funding increases for the computer center and library, and a special allocation for affirmative action programs.

Clemson will spend an additional $1.1 million next year on equipment, much of which involves purchases that have been postponed in previous years.

Larson pointed out that over the past five years, student fee increases for South Carolinians at Clemson had averaged 6.2 percent per year, and that Clemson was slowing down the rate of increases for in-state residents while some other states were accelerating theirs.



This is how Clemson compared in tuition and fees to other institutions in the region during the 1987-88 school year.

(Data compiled from a joint 1987-88 survey conducted by the American Association of State Colleges and Universities and the National Association of State Universities and Land-Grant Colleges.)

Briefly

McKale named '41 Memorial Professor

Clemson's Class of 1941 has named history Professor Donald M. McKale to the newly created Class of 1941 Memorial Professorship in the College of Liberal Arts.

The professorship represents a gift of $200,000 by the class to Clemson, plus a matching gift of $67,000 from a National Endowment for the Humanities challenge grant.

McKale, a member of the history department faculty since 1979, is a World War II historian with emphasis in the study of Nazi Germany.

He has written a number of books on modern German history and also edited the recently published *Tradition: A History of the Presidency of Clemson University*.

Felder named associate dean

Frankie O. Felder has been named associate dean of the Office of International Programs and Services (OIPS).

Felder, who joined Clemson last August, had been serving as acting assistant dean for the OIPS.

She is responsible for directing campus services for the more than 600 foreign students who attend the University.

Rent a kid from the YMCA

If you have some part-time summer work that would be ideal for a teenager to do, but just don't seem to have the teenagers to do it, call the YMCA.

The YMCA is sponsoring Rent-A-Kid, a teen-worker referral service to help teens earn money by helping you. Teens register for the program by providing the Y with a list of their work skills, experience and other job-related information which the Y can use to best help you.

For more information, call the YMCA at 656-2460.

Centennial nametags available to departments

Departments wanting to purchase engraved plastic nametags should call Carol Ryan in the publications and graphics department at 656-2467.

The cost per tag ranges from $3.50 to $5. Each nametag will have the University's official Centennial logo.

Webster named Master Extension Teacher

An Extension Service animal scientist known nationally for his efforts to improve beef production has been recognized as a Master Extension Teacher by the Clemson Extension Specialist Association.

Henry Webster received the award for his leadership in revising the S.C. Beef Cattle Improvement Association program to stress recordkeeping. These changes are being adopted by beef associations in other states.

The Clemson Extension Specialist Association presents the Master Extension Teacher award annually to an association member who conceives and carries out exceptional Extension educational programs that benefit South Carolinians.

Digital provides grant

Digital Equipment Corporation has awarded an $800,000 equipment grant to the Division of Computing and Information Technology.

Clemson will use the grant to help implement a multi-million dollar expansion of its computing network. Installation of two of the newest models of Digital computers, the VAX 8810 and the VAX 8820, will begin in late June.

Clemson will be the first computing facility in South Carolina, and one of the first in the Southeast, to install the new VAX 8820.

Dropout Center gets funds

The National Dropout Prevention Center has received $500,000 in state funds to assist in the dropout prevention effort.

The center, which was established at Clemson in October of 1986, serves as a clearinghouse for information on the dropout problem and coordinates national efforts to cut the dropout rate and reduce its debilitating effects on the U.S. economy.

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Clemson
WEEKLY
Vol. 28, No. 2 July 13, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Radon sampling shows comparatively low levels

Concentrations of an invisible, radioactive gas are higher in the Upstate and in isolated areas along the coast than in other areas of the state, according to a Clemson survey, although on average, statewide concentrations are lower than the nation's.

Uranium in the soil

The gas is radon, an invisible, odorless gas produced by decaying uranium in the soil.

Scientists have discovered that in some areas of the country the cancer-causing gas has seeped up into homes and concentrated at relatively dangerous levels.

The U.S. Environmental Protection Agency estimates that radon may cause up to 20,000 lung cancer deaths annually.

Under a contract from the S.C. Department of Health and Environmental Control, Associate Professor of Environmental Systems Engineering Bob Fjeld and graduate student Marion Jones tested more than 500 homes across the stae earlier this year to determine radon concentrations in each of the 46 counties.

"We weren't surprised," says Fjeld. "The results are consistent with what we expected, based on the underlying geology of the areas we tested.

Survey results

Survey results showed counties measuring the highest radon concentrations to be Abbeville, Anderson, Charleston, Cherokee, Chester, Greenville, Laurens, Lexington, Newberry, Oconee, Pickens, Richland, Spartanburg and York.

Spartanburg County ranked at the top of the list with some 33 percent of the homes tested measuring more than the EPA-recommended concentraions.

Twenty-two percent of the homes tested in Greenville County measured high, as did 18 percent of homes tested in Oconee County, 12 percent in Charleston County and 11 percent in both Chester and Lancaster counties.

The remaining counties measured average or below-average concentrations.

"We expect very few of the houses in these counties to have high concentrations," Fjeld says.

"It's important to realize that the survey results are based on a very small fraction of the 1.1 million households in the state."

The EPA estimates that between 8 percent and 12 percent of houses nationwide have high radon levels.

For more information on testing, contact the bureau of radiological health at DHEC in Columbia, (803) 734-4700 or DHEC's public affairs office, (803) 734-5038.

Twenty University employees from four vice presidential areas have been honored as University Employees of the Year. Recognized for their outstanding service were:
(Seated left to right)
Theresa W. Cleveland and Elaine G. Knoerr (Ag/Nat Res), Kay C. Shaw (Adm), Sara W. Gambrell and Shelby Quattlebaum (Ag/Nat Res).
(Standing, left to right)
Robert L. Gray, Charles R. Dubose, Nelle E. Bridges, Dewey K. Barefield Jr. and Carolyn O. Robinson (Ag/Nat Res), Kirk A. Bragué (Stu Aff), Michael F. McLeod (Ag/Nat Res), Donna E. Price (Stu Aff), G. Jimmy Pilgrim (Ag/Nat Res), Deborah G. Dunning (Inst Adv), Kenneth Charles (Adm), Sharron Lewis-Watts (Inst Adv), Cherylene Amidon, Anthony Melton and June W. Clary (Ag/Nat Res).

Briefly

Hipps elected to board

Nursing Dean Opal Hipps was elected to a two-year term on the board of directors of the American Association of Colleges of Nursing (AACN) at the association's spring meeting in Washington, D.C.

The AACN comprises more than 350 deans and directors of baccalaureate and higher degree programs working to influence legislation affecting nursing education, improving professional nursing education, and producing databases on faculty and administrative salaries, student enrollment and funded projects.

Note new address for Public Affairs Office

If you need to send some information to Clemson's Public Affairs Office in Columbia, remember the new address is:

Clemson University Public Affairs Office
1201 Main Street
Suite 1770
Columbia, S.C. 292201

Formerly located in the Dennis Building, the office now is located in the AT&T Building.

Lennon, Robinette named to national panels

President Max Lennon and Lamar Robinette, head of the aquaculture, fisheries and wildlife department, have been appointed to national advisory committees of the U.S. Department of Agriculture.

Lennon will co-chair the committee that advises the Secretary of Agriculture on which research areas should be given priority in federal funding and support. The committee also recommends procedures for implementing award programs for competitive research grants.

Robinette will serve on the 22-member panel dealing with policy, programs and research to protect crops and livestock from ravaging creatures, such as blackbirds, rodents, coyotes and deer — a problem costing farmers and ranchers more than $300 million per year.

Philip Morris provides grant

The University has received a $52,500 grant from Philip Morris USA to study better methods of curing tobacco.

The funds will be distributed over a three-year period to John Alphin, a Clemson agricultural engineer based at the Pee Dee Research & Education Center.

Tobacco is the state's top dollar crop. In 1987, 41,000 acres brought in more than $147 million.

Kenelly receives Foundation appointment

A University mathematical sciences professor has received a National Science Foundation appointment and recently was elected president of a national honorary mathematics society.

John Kenelly, on leave from the University for two years in Washington, D.C., will serve as the NSF program director in charge of a new national initiative on improving calculus education.

In the meantime, Kenelly has been elected president of Mu Alpha Theta, an honors society of high school students.

The organization boasts 40,000 members from 1,000 high schools across the United States. South Carolina has 46 chapters.

Lewis elected officer of nematology society

Steve Lewis, professor of plant pathology and physiology, has been elected vice president of the International Society of Nematologists.

Lewis will serve a year before becoming president for a year.

The society comprises 500 members and sponsors publications and dialogue related to nematology, the study of microscopic roundworms that damage crop plants.

Water aerobics to begin

The YMCA will begin a new session of water aerobics July 18.

Classes are held on Mondays, Wednesdays and Fridays from 8-9 p.m. in Fike Recreation Center.

For information, call 656-2460.

CPS orientation to be held

An orientation session for those interested in taking the Certified Professional Secretaries review courses this fall will be held July 19 in 109 Lowry Hall at 7 p.m.

For more information, call Pat Durham at 656-3917.

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Clemson
WEEKLY
Vol. 28, No. 3 July 20, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Barbershoppers to perform July 23 in Tillman

Those interested in barbershop quartets should put Saturday, July 23, on their calendars.

That's when many of the best barbershop quartets and choruses in the southeastern United States will perform in Tillman Auditorium at 8 p.m. as part of the 1988 Dixie Lakeside Harmony Weekend.

This year's show features 1986 international quartet champions The Rural Route Four and also top 10 finalists and coaches The Pros and Cons.

Tickets are $6 and are available at Lynch Drugs in downtown Clemson and at the door.

The weekend, an annual workshop drawing as many as 450 barbershop singers, celebrates the 40th anniversary of the Dixie District and the 50th anniversary of the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America Inc.

Staff Commission adds members

The Commission on Classified Staff Affairs opens the new fiscal year with its newly expanded membership of 25.

This year's members are: *(Row 1, left to right)* Helma Gentry (alt.), **Judith McNinch** (parliamentarian), **Carey Caines**, **Jackie Green**, **Bonnie Dixon**, **Dixie Schmittou**. *(Row 2, left to right)* **Linda Cartee**, **Mary Harvey**, **Paula Henderson**. *(Row 3, left to right)* **Ruth Taylor**, **Judi Nicks**, Sandy Smith (alt.), **Ron Herrin** (ex-officio). *(Row 4, left to right)* **Gail Jameson**, **Diane Lollis**, **Verna Howell**, **John Clemens** (chairman), Dianne Haselton (recorder), **Mickey Lewis** (vice-chairman). *(Row 5, left to right)* **Bill Willis**, **Ann Hughes**, Pat Padgett (alt.), Freddie Harbin (for Linda Rice), **Charlie Butts**, **Roy Reid**, **Hank Goodman**.

Not pictured are **Linda Brady**, **Linda Rice**, **Yvonne Miller** and **Ray Thompson** (ex-officio).

(Regular Commission members listed in bold.)

Knights of Columbus pledge $100,000 to Rainbow for Hope

The Knights of Columbus have joined the growing list of civic groups supporting special summer camping programs for the handicapped at the University's Outdoor Laboratory on Lake Hartwell.

The Knights have pledged $100,000 to the Rainbow for Hope Endowment, a four-year-old umbrella organization dedicated to raising funds for programs, expansion and capital improvements at the Outdoor Lab.

The facility is operated by the parks, recreation and tourism management department.

An additional $40,000 has been pledged from other sources.

The endowment contributed $100,000 to the Clemson University Foundation in 1986.

Since the donation, the Endowment board has expanded its membership and tapped Lt. Gov. Nick Theodore to serve as the group's new honorary chairman.

Briefly

Clemson Players present staged reading July 27-30

The Clemson Players will present a staged reading of "A Fool to Care," an original play by Clemson computer engineering graduate student Todd Snider, July 27-30 at 8 p.m. in the Daniel Hall Annex.

There will be no admission charge, and seats will be available on a first-come, first-served basis.

The play is the story of a young girl who is viewed as a sex object by most men she encounters, including her stepfather, who brutally rapes her. Because of very explicit adult themes and language, audience discretion is advised.

This is the second time the Players have read a work-in-progress by a student, says performing arts Professor Ray Sawyer, who teaches playwriting and who is directing this production.

"Staged readings offer a valuable perspective for the student-playwright," says Sawyer.

"It allows the author to see what works and what does not work on stage and what revisions may be necessary. It also enables the author to see how an audience will respond to the script."

In fact, the audience is invited to remain after the show to discuss the play with the playwright, director and cast.

Sawyer says the staged reading focuses on the script rather than on production values. Minimal sets will be used, actors will read from scripts rather than having memorized lines, and certain actions and directions will be narrated.

Snider, who expects to receive a master's degree in computer engineering in December, has worked with the Clemson Players since 1984 in various on-stage and backstage roles. This is his first playwriting effort.

Payroll Office moves to University Square

If you plan to drop by the Payroll Office next Monday, don't go to Sikes Hall.

As of July 25, the Payroll and Employee Benefits Office will be busy moving to their new offices in 224 University Square Mall. However, they will still be able to give you any necessary assistance with your employee benefits.

Also note that only their address is changing. Their telephone number remains 656-2000.

Counseling Center earns international accreditation

The Counseling and Career Planning Center has received full accreditation from the International Association of Counseling Services (IACS), following a year of self-study and evaluation.

The Center joins more than 80 college counseling centers nationwide that have voluntarily undergone "a rigorous self-study and have made the commitment to maintain challenging standards for our services," says Center Director Judith Haislett.

The Center's mission is to provide quality mental health service to students to improve their ability to make good decisions, achieve educational and career goals and become productive members of society.

IACS was founded in 1972 to encourage and aid counseling agencies to meet high professional standards through peer evaluation and accreditation and to inform the public about counseling services that are competent and reliable.

Payroll Office interested in employees' opinions

Now's a good time to tell the Payroll Office how you feel about your benefits.

All you have to do is fill out the survey that was attached to the employee benefits analysis you received last month.

"We are encouraging all employees to take a few moments to fill out and return these surveys," says Ron Herrin, director of the Payroll and Employee Benefits Office.

"We're interested in finding out how helpful and informative these benefits analyses were and how we might improve them."

If you have questions concerning your personal statement of benefits, call the Payroll Office at 656-2000.

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Clemson
WEEKLY
Vol. 28, No. 4 July 27, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Flower show, plant clinic to highlight Flower Day

The flowers in the Botanical Garden should reach their peak by Saturday, July 30, just in time to celebrate Clemson's 10th Annual Flower Day.

The day will feature colorful flower shows, exhibits and a variety of speakers sure to please the most avid flower enthusiasts.

"We expect the flowers to be the main attraction for flower lovers," says David Bradshaw, director of the Botanical Garden and coordinator of the event.

Scheduled from 9 a.m. to 4 p.m., Flower Day is co-sponsored by the horticulture department and the Garden Club of South Carolina.

Horticulture and landscape experts will speak on flower- and garden-related subjects throughout the day at the Hayden Service Center on campus.

Some highlights will be:

• Roy Ogle, professor emeritus of horticulture, speaking on fall gardening, including the best fall vegetable crop varieties, gardening techniques and the most effective pest controls for fall gardening.

• Plant pathologist Luther Baxter, who will conduct a plant problem clinic throughout the day and will demonstrate how to properly care for camellias.

• The flower show sponsored by the Garden Club of South Carolina.

• Elizabeth Belser Fuller, a well-known Clemson artist, who will have her original watercolors on sale to benefit the Garden.

Come see the flowers in full bloom Saturday from 9 a.m. to 4 p.m. at the 10th Annual Flower Day in the Botanical Garden.

Dow chairman to speak at Aug. 6 graduation

Dow Chairman Paul F. Oreffice

the speaker at Aug. 6 graduation ceremonies

The chairman of board of the Dow Chemical Co. will speak and receive an honorary degree at graduation ceremonies here Aug. 6.

Paul F. Oreffice, who also serves as president and chief executive officer, will speak in Littlejohn Coliseum during the 11 a.m. ceremonies.

He is a 1949 graduate of Purdue University with a bachelor's degree in chemical engineering.

Dow is a major employer of Clemson graduates and a long-time supporter of the University's chemical engineering program, to which the company recently committed funding to establish a Dow Chemical Professorship in Chemical Engineering.

Briefly

Hipps named to panel

Nursing dean Opal Hipps has been appointed by the S.C. Commission on Higher Education to a panel formed to find solutions to the nursing shortage.

She will serve with 13 other nursing executives, administrators and professors on the Policy Council for Nurse Recruitment and Retention in South Carolina.

The panel was formed by the General Assembly following a 1987 study that showed the state will need some 20,360 registered nurses by 1990, an increase of more than 4,000 nurses.

Admissions names Keese associate director

Wallace W. Keese has rejoined the University as associate director of admissions.

Keese served as an admissions counselor at Clemson from 1982 to 1986. He left to become assistant director of admissions at the University of North Carolina at Charlotte.

As associate director, Keese will supervise the processing of admissions applications, evaluate academic credentials and make admissions decisions regarding prospective students, especially freshmen and transfer students, chair the student orientation planning committee and plan effective recruiting programs.

Hughes becomes Nursing instruction head

A faculty member has been named head of the department of instruction in the College of Nursing.

Robbie B. Hughes, associate professor of nursing, specializes in pediatrics. Her teaching activities, publications and research focus on child health, school health and infant feeding practices.

She has served as the faculty adviser for the College's Nursing Resource Center and has been on the faculty since 1981.

Institutional Advancement receives national awards

The Division of Institutional Advancement received three medals recently in the 1988 recognition program of the Council for Advancement and Support of Education (CASE), a national institutional advancement professional organization.

University Relations received a gold medal in public relations projects for its biotechnology public relations campaign (a joint venture of the agricultural communications and news services departments) and also received a bronze medal in multi-media shows for its Second Century multi-media presentation (produced by the electronic and photographic services department).

Alumni Relations received a gold medal for student involvement programs for its Student Alumni Council programming.

Institutional Advancement is composed of four areas — University Relations, Alumni Relations, Development and Advancement Services.

CASE is an organization of 3,000 member institutions with 13,000 representatives. The Washington, D.C.-based group was formed in 1974 when the American Alumni Council (organized in 1913) and the American College Public Relations Association (formed in 1917) were combined.

Dow gift to aid animal facilty

Dow Corning Corp. has pledged $75,000 to Clemson's Biomedical and Bioengineering Research and Development Facility (BioFact) to cover a portion of the estimated cost of building a centralized animal facility here.

The BioFact project will cost an estimated $8.4 million. Clemson is raising $3 million toward construction costs through fund-raising, and remaining funds are being procured through state appropriations.

Currently, animal research is performed in some 21 different locations on campus.

The central facility will provide a home for sophisticated biomedical, bioengineering and life sciences research and will include laboratories and facilities for animal housing and care.

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Barger rewarded for role in establishing Nursing Center

Sara Barger

honored for her work in establishing the Nursing Center

A nursing professor has received the 1988 American Nurses' Association Honorary Nursing Practice Award for her role in establishing a nursing center here five years ago.

Sara Barger, R.N., was selected for the association's most prestigious honor based on her "exemplary dedication and skill in providing nursing care."

In 1983, Barger established the University's Nursing Center, a unique program which has helped demonstrate the potential of nurse-managed health care.

The Center offers health promotion and disease prevention services to the public on a daily basis.

Nursing students and faculty provide screening for health problems such as colorectal can-cer, diabetes and hypertension.

Additional services offered by the center include physical assessments, health information, family and individual counseling, and immunizations.

During 1987, some 4,200 clients visited the center, a significant increase from 689 in 1984, according to a recent report made by Nursing Dean Opal Hipps.

Barger is head of the professional development and services department in the College of Nursing and secretary of the S.C. Nurses' Association.

Last year, she served on the ANA's task force to develop guidelines for nursing centers, using Clemson as a model.

She is a member of an interdisciplinary team funded by the Kellogg Foundation to study and improve the health of rural South Carolinians.

Wellness coordinator becomes Nursing continuing education director

Lynn L. Lesley

Nursing's new Continuing Education director

The University's former wellness coordinator has been appointed director of continuing education for the College of Nursing.

Lynn L. Lesley, a native of Easley, now oversees the development of conferences and workshops for nursing professionals seeking to enhance their job skills.

Fifty-eight programs were held across the U.S. during 1986-87, attracting 2,900 participants. During the first six months of the 1988 fiscal year, 28 conferences were held, with 1,500 participants.

Lesley is a Clemson graduate with eight years' experience in nursing and continuing education.

She received her master's degree from the Medical University of South Carolina in health sciences with an emphasis in health services administration and is pursuing a doctorate in education at Clemson.

From 1984-88, Lesley served as director of staff development and public relations at Baptist Medical Center in Easley.

Hendricks named photo chief, 'Top Cat'

Ben Hendricks

the new photo lab supervisor

Ben Hendricks has good reason to smile.

In addition to being named recently as the new supervisor of the University photo lab, he also has received the second University Relations "Top Cat" Award, which is given annually to a member of the U.R. staff for "purr"formance, "purr"fection and "purr"sonality on the job.

Hendricks has been acting supervisor since last April, having worked here for 16 years.

Before coming to Clemson, Hendricks served as a photographer in the Georgia Tech news bureau for four years. He also served as a photographer during his 22 years in U.S. Navy.

Fifty-eight faculty promoted, 31 receive tenure

RECEIVING TENURE

Agricultural Sciences

Joseph D. Culin, entomology
Robert J. Dufault, horticulture
John C. Hayes, agricultural engineering
John W. Kelly, horticulture
Mitchell E. Roof, entomology
C. Parr Rosson, agricultural economics
William C. Stringer, agronomy and soils
Roy E. Young, agricultural engineering
Patricia A. Zungoli, entomology

Architecture

Gerald L. Walker, architecture

Commerce and Industry

L. Stephen Cash, accountancy
Roger E. Meiners, economics,
Ralph E. Welton Jr. , accountancy

Education

William H. Leonard, education and biology

Engineering

Vera B. Anand, engineering graphics
Joel S. Greenstein, industrial engineering
Charng-Hsein Juang, civil engineering
Kelvin F. Poole, electrical and computer engineering
Dennis L. Powers, bioengineering

Forest & Recreation Resources

Andy W. C. Lee, forestry

Liberal Arts

W. Jeffrey Burroughs, psychology
Susan Duffy, speech
Paula R. Heusinkveld, Spanish & French
D. DeWayne Moore, psychology
D. Kinley Sturkie, sociology
Sixto E. Torres, Spanish
Carol M. Ward, English

Nursing

Robbie B. Hughes,
Arlene B. Privette

Sciences

R. Karl Dieter, chemistry

Library

Michael F. Kohl, special collections

TO FULL PROFESSOR

Agricultural Sciences

David Roy Alverson, entomology
Ashby B. Bodine, dairy science
Charles E. Drye, plant pathology and physiology
Timothy T. Fendley, aquaculture, fisheries & wildlife
Clyde S. Gorsuch, entomology
Mary T. Haque, horticulture
R. Lynn Harwell, agricultural economics and rural sociology
Hoke S. Hill Jr., experimental statistics
Paul M. Horton, entomology
Kandice H. Kahl, agricultural economics and rural sociology
Clyde T. Mounter, Extension home economics
John D. Ridley, horticulture
Emily S. Wiggins, Extension home economics
Joseph P. Zublena, agronomy and soils

Architecture

Jose R. Caban, planning studies
Martin A. Davis, architectural studies
Roger W. Liska, building science
Barry C. Nocks, planning studies

Education

Dennis G. Tesolowski, industrial education

Engineering

Alan W. Elzerman, environmental systems engineering
Cecil O. Huey, mechanical engineering
Robert F. Nowack, civil engineering

Forest & Recreation Resources

Francis A. McGuire, parks, recreation & tourism management
Guy E. Sabin, forestry

Liberal Arts

Clifton S. M. Egan, performing arts
Edwin E. Moise, history
Ronald H. Nowaczyk, psychology
Fred W. Shilstone, English
Margit M. Sinka, languages
Mark A. Winchell, English

Sciences

Perino M. Dearing, mathematical sciences
John Geldard, chemistry

TO ASSOCIATE PROFESSOR

Agricultural Sciences

Susan F. Barefoot, food science
William C. Bridges Jr., experimental statistics
Judith D. Caldwell, horticulture
Joseph D. Culin, entomology
Charles E. Curtis Jr.,

faculty promotions (continued)

agricultural economics and rural sociology
Roy B. Dodd, agricultural engineering
John W. Kelly, horticulture
Ahmad Khalilian, agricultural engineering
Patricia Ann Zungoli, entomology

Commerce and Industry
Stephen J. Grove, marketing
John M. Harris Jr., finance
Mary C. LaForge, marketing
J. Harold Mulherin, finance
Ralph E. Welton Jr., accountancy

Engineering
S. Imtiaz-ul-Haque, mechanical engineering

Forest & Recreation Resources
Cary D. McDonald, parks, recreation and tourism management
Musso Uysal, parks, recreation and tourism management

Liberal Arts
Donald G. Bzdyl, English
Paula R. Heusinkveld, languages
Carol I. Johnston, English
George R. Lucas, philosophy
Lewis Suggs, history
Brenda J. Vander Mey, sociology

Nursing
Priscilla M. Kline,
MaryAnn Reichenbach

TO ASSISTANT PROFESSOR
Nursing
Patricia Ann Townsend

Spencer named Alumni Professor of Chemistry

H. Garth Spencer

recently named Alumni Professor of Chemistry

H. Garth Spencer has been named Alumni Professor of Chemistry.

He was awarded the honor based on excellence in teaching and research.

Spencer currently is engaged in research with CARRE, Inc. (Conservation and Resource Recovery Engineering), based in Seneca.

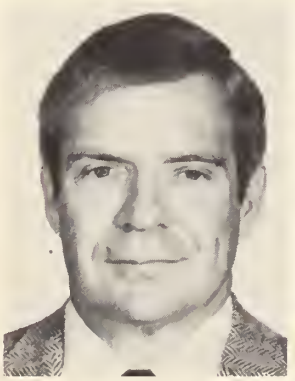
The Upstate firm, which produces stainless steel porous pipes coated with special membranes for use in high-tech filtration systems, recently established a research program here with emphasis on biotechnology.

That research combines Spencer's expertise in membrane technology and the expertise of faculty from mechanical engineering, food sciences, microbiology and marketing in an effort to develop a viable and more economical bioseparation process for applications in biotechnology.

In the last eight years, Spencer has been awarded some $309,000 in research grants.

The professorship, which boosts Spencer's annual salary by $3,000, is funded by gifts to the C. U. Foundation.

Shepard named Coastal director



B. Merle Shepard

the new director of Coastal Research and Education Center

B. Merle Shepard, a former professor of entomology here, has been named resident director of the Coastal Research & Education Center in Charleston.

Shepard is currently a scientist and head of the entomology department at the International Rice Research Institute in Manila, Philippines.

Shepard graduated from Middle Tennessee State University with a degree in biology.

He received a master's degree in entomology at the University of Georgia, and a doctorate in entomolgy from Texas A&M University.

He was a professor of entomology at Clemson from 1976 through 1983 when he joined the International Rice Research Institute.

He replaces Wayne Sitterly, who retired as Coastal's resident director last year.

Twenty-five receive Provost Research Awards

Provost Research Awards have been awarded to 25 University faculty.

They are:

Carol E. Johnston (English) —"Edwin Arlington Robinson: A Descriptive Bibliography"

Vance Truesdale (English) — "Dialect Interference in Math/ Science Learning

Kelly Crader (Sociology) — "Student Evaluation Scores-Computer Aided Personal Models"

Harold Woodell (English) — "The Day Book of Miss Margaret Sloan"

Alan Grubb (History) — "The Senator and the College President: The Correspondence between Benjamin Tillman and Walter Merritt Riggs, 1897-1918"

C. Ron Dillon (Biological Science) — "Heavy Metal Accumulation by Aquatic Plants and the Remedial Potential for Contaminated Water"

Robert A. Haygood (Plant Pathology and Physiology) — "Characterization of Scorch of Shade Trees Caused by Fastidious, Xylem-Inhabiting Bacteria.

Robert Geist (Computer Science) — "Budget Ray Tracing"

Bruce W. Pinkerton (Agronomy and Soils) — "Root Growth of Tall Fescue Seedlings as Affected by an Endophylic Fungus"

Frederick W. Shilstone (English) — "Writing and Editing Approaches to Teaching Byron's Poetry"

Cynthia C. Jara-Almonte (Mechanical Engineering) — "A Study of the Validity of Using the Finite Element Method for the Analysis of the Machining Process"

Phillip J. Flower (Physics) — "Ages of Star Clusters"

George R. Lucas Jr. (History) — "Perception, Causality, and Induction — The Philosophies of Edmund Husserl and A. N. Whitehead"

John R. Wunder (History) — "Researching a History of the Chinese and American Law"

R. Kenneth Marcus (Chemistry) —"Development of Methodologies for Elemental Analysis of Material in the Solid State"

Patricia A. Conner-Greene (Psychology) — "Body Weight Perceptions and Weight Loss Strategies of Teenage Females"

Russell A. Marion (Elementary and Secondary Education) — "The Clemson University Survey of the Public's Attitudes Toward Public Education in Upstate South Carolina"

N. Jane Hurt (Architectural Studies) — "The American School Building"

Robert J. Staaf (Law and Economics) —"Price Assurance, Collusion or Robinson-Patman Compliance"

Gregory H. Robinson (Chemistry) — "Molecular Recognition: The Support of Homogeneous Catalysts on Organic Aluminum Host Guest Compounds"

Lorraine R. Fisher (Nursing) — "Increased Fluid and Fiber Intake: Re-establishment of Spontaneous Bowel Movements in Residents of a Long Term Health Care Facility"

Edward B. Pivorun/Richard H. Hilderman (Biological Sciences) — "Stress Proteins and the Adenylated Dinucleotides in Torpid Mammals"

David W. Tonkyn (Biological Sciences) — "Mechanisms and Rate of Transport of Genetically Engineered Microorganisms by Insects"

Charng Hsein Juang (Civil Engineering) — "Development of an Expert System for Pavement Rehabilitation Planning - A Feasibility Study"

Gayle Pittman Noblet (Biological Sciences) — "Quantification of Blood Cells and Parasites in the Peripheral Blood of Vertebrate Animals"

The new address for Clemson's Public Affairs Office in Columbia is:

Clemson University Public Affairs Office
1201 Main Street
Suite 1770
Columbia, S.C. 29201

Departmental Notes

Agricultural Engineering

Harold Allen (Prof), **Roy Dodd** (Asst Prof), **John Hayes** (Assoc Prof), **Dale Linvill** (Prof), **David Smith** (Ag Sci Assoc), **Tim Burcham** (Grad Asst), and **Keith Martin** (Grad Asst) participated in the College of Agricultural Sciences Careers Day for Lexington County May 3-4.

Barbara Griffin (Prof) attended the Southern Region Plan Service meeting in New Orleans April 11-15. Griffin presented a talk on "Moisture Control in Residences" and had two plans accepted for USDA Cooperative Farm Building Plan Exchange.

R. 0. Hegg (Head) attended Southern Region of Agricultural Engineering Department Heads meeting at Auburn, Ala., April 11-12.

Hegg also attended the FOCUS Conference for USDA-National Needs Fellowship Workshop in Washington, D.C., April 18-19.

Dale E. Linvill (Prof), **David J. Smith** (Ag Sci Assoc) and Greg Johnson (NC State Univ) presented an update on agricultural meteorology programs in South Carolina and North Carolina to the National Weather Service Area Management meetings in Columbia May 4.

Dick Spray (Prof), **Linda Gardner** (Prof) and **Barbara Griffin** (Prof) conducted County Agent Housing In-Service Training on March 28-31.

Curtis L. Weller (Asst Prof) presented "Effect of Drying on Starch Recovery" at the University of Illinois-UC Grain Quality Conference in Champaign, Ill., March 30.

The following papers were presented at the S. C. Academy of Science annual meeting at S.C. State College in Orangeburg April 14-16:

"Comparison of Record Temperatures Observed at Greenville, S.C. and Greenville-Spartanburg Airport," **David J. Smith** (Ag Sci Assoc).

"Weather Information for Elementary and Secondary Classrooms," **Dale E. Linvill** (Prof) and **David J. Smith** (Ag Sci Assoc).

"Humidity Zones in South Carolina," **Dale E. Linvill** (Prof).

The following agricultural engineers attended the ASAE State Section meeting at Folly Beach May 3-4: **R. 0. Hegg, Y. Alper, J. M. Bunn G. D. Christenburg, R. B. Dodd, T. H. Garner, J. C. Hayes, C. E. Hood, J. T. Ligon, C. V. Privette, R. A. Spray, C. L. Weller, R. K. White, R. E. Williamson, F. J. Wolak, R. E. Young.**

Agronomy and Soils

J. H. Palmer (Prof) presented a computer software demonstration, "BEAN-AID software programs for soybean producers", at the annual meeting of the S. C. Academy of Science April 14 at S. C. State College in Orangeburg.

Bioengineering

Christopher L. (Kit) Vaughan (Assoc Prof) was a keynote speaker at a symposium entitled "Pathophysiology and Management of Spasticity in Spinal Cord Injury and Cerebral Palsy" held May 25-27 at the University of Virginia in Charlottesville, Va. His paper, entitled "Gait Analysis and Rhizotomy: Past Experience and Future Considerations" was co-authored by **Noel Eldridge** (graduate student).

Vaughan also chaired one of the sessions on "Surgical Strategies for Treating Cerebral Palsy.

Building Science

Roger W. Liska (Head) had a book, Facilities Maintenance Standards, published by Robert Snow Means in February. The book is described as "a working encyclopedia which points the way to solutions to every kind of maintenance and repair dilemma" dealing with buildings.

Liska also was inducted into Kappa Delta Pi, National Honorary Education Society at the University of Georgia in Athens, Ga., May 11.

Liska received his doctorate in Educational Administration from there in March.

Liska presented a paper, "An Overview of Construction Education and Training in the United States" to the Annual Meeting of the Canadian Home Builders Association of British Columbia May 26. He also served on a panel May 27 to discuss the current state of builder education in Canada and the United States.

Liska made a presentation on "Construction Management: What is It and How Does One Get Involved?"at the Annual State Convention of the N. C. Chapter of the American Institute of Architects June 6 in Charleston.

Calhoun College (Honors Program)

Jack L. Stevenson (Director) completed his year as President of the Southern Regional Honors Council at its meeting in New Orleans April 8. Stevenson presented a workshop entitled "Excellence: Suggestions for a Lifetime Habit."

Two Clemson Honor students also made presentations attended this meeting, at which some 400 Honors directors and students from more than 60 Southeastern colleges and universities were in attendance.

Chemical Engineering

A. A. Ogale (Asst Prof) was awarded a $59,843 Research Initiation Grant from the National Science Foundation for his proposal, "Superconductive Composite Wire" beginning June 15

M. C. Thies (Asst Prof) was awarded a $63,188 Research Initiation Grant from the National Science Foundation for his proposal, "Industry/University Cooperative Research Activity: Fluid-Phase Equilibria for Biocompound-Water Mixtures at Elevated Temperatures and Pressures" beginning September.

Chemistry

R. A. Abramovitch (Prof), K. Evertz, G. Huttner, **H. H. Gibson Jr.** (visiting professor), and H. G. Weems (undergraduate student, Austin College,

Texas) have published a paper entitled: "Thermolysis of l-(N-acetyl-N-aryl)amino-2, 4, 6-triphenylpyridinium Tetrafluoroborates: A New Source of Arylnitrenium Ions" in "J. Chem. Soc., Chem. Commun. 1988, 325.

Gibson was on sabbatical leave in Clemson during the 1985-1986 academic year from Austin College in Texas.

K. Dill (Assoc Prof), **S. Hu** (grad stu), A. R. Katritzky (Kenan Professor, University of Florida), and M. Sutharchanadevi (grad stu, University of Florida) have published, "13C-Nuclear Magnetic Resonance Study of Glycophorins AM and AN Modified with Various Pyrylium Salts" in the the Journal of Protein Chemistry.

Dill has received a National Research Council Senior Research Award for 12 months to conduct research with DNA and polynucleotides at the Letterman Army Institute of Research.

John D. Petersen (Assoc Dean Sci) was the speaker at the 591st Meeting of the Lexington Section of the American Chemical Society in Lexington, Ky., April 7 speaking on "The Photochemistry and Photophysics of Polymetallic Complexes."

Petersen also gave an invited talk on "The Use of Multinuclear NMR Spectroscopy to Study Structures and Mechanisms in Transition Metal Chemistry" at the Department of Chemistry, University of North Carolina-Asheville March 18.

Petersen also gave an invited talk on "The Photochemistry and Photophysics of Polymetallic Complexes" at the Department of Chemistry, University of Idaho in Moscow, Idaho, March 2.

Marc F. Settin (former grad stu) and **James C. Fanning** (Prof) published "Reaction of Certain Nitrogen Oxides with Iron (III) Porphyrin u-Oxo Complexes" in Inorganic Chemistry, 27, 1431-1435 (1988).

Jancie L. Stinecipher (undergrad) presented "Off-gas Analysis from the Preparation of Iron-containing Glass" and **Alice E. Hawkes** (undergrad) presented "The Chemical Analysis of Iron-containing Glass" at the National Conference on Undergraduate Research held at the University of North Carolina at Asheville April 21-23. Both are students of James C. Fanning (Prof).

Civil Engineering

Subhash C. Anand (Prof) presented an invited seminar, entitled "Behavior of Composite Masonry Walls Subjected to Vertical and Horizontal Inplane Loads," to the faculty and students of the Department of Civil Engineering at the University of North Carolina at Charlotte April 12.

Anand has been elected as a Fellow of the American Society of Civil Engineers based upon his long-time contributions to the profession.

Anand served on a panel in Washington, D.C., Jan. 21 to review research proposals submitted to the Critical Engineering Systems Division of NSF regarding the Whittier earthquake that occurred in California last summer.

Computer Science

A. J. Turner (Head) has been elected chairman of the Computer Science Accreditation Commission (CSAC) for a one-year term. Turner also serves as a director of the Computing Sciences Accreditation Board (CSAB).

Earth Sciences

G. M. Haselton (Prof) presented a lecture to the Science Institute of Reykjavik University in Reykjavik, Iceland, May 3 entitled "Glacial Stratigraphy and Landforms in Central New Hampshire."

R. D. Warner (Assoc Prof) and P. J. Wasilewski (NASA Goddard Space Flight Center) published "Magnetic Petrology of Deep Crustal Rocks - Ivrea Zone, Italy" in Earth and Planetary Science Letters, v. 87, p. 347 - 361, 1988.

Elementary and Secondary Education

William W. Pennscott (Prof) reviewed "Group Work with Children and Adolescents" by P. L. Kolodny and J. A. Gazland in the Guidepost.

Engineering - Office of the Dean

J. Charles Jennett (Dean) has been elected to the National Board of Governors for The Order of The Engineer. His term will run from July 1, 1988, through June 30, 1991.

English

Richard J. Calhoun (Alumni Prof) has been elected president of the Robert Frost Society. He will also serve a second year as president of the Society for the Study of Southern Literature.

Calhoun published "William J. Grayson" in American Literary Critics and Scholars, 1850-1880, Dictionary of Literary Biography. Vol. 64. Detroit: Gail Research, 1988.

Mark J. Charney (Asst Prof) presented "The Pedagogic Function of Structural Grammar" at the Philological Association of the Carolinas meeting in Rock Hill March 5; "Beauty in the Beast: Technological Reanimation in the Contemporary Horror Film" at the Popular Culture Convention in New Orleans March 25; and "Modal Analysis: A Bridge from Invention to Arrangement" at the College English Association in New Orleans April 16.

Entomology

P. H. Adler (Asst Prof) published a chapter, "Ecology of Black Fly Sibling Species," in the recent book Black Flies: Ecology, Population Management, and Annotated World List, published by Pennsylvania State University

Adler was invited, under the Visiting Scholars Program, by the Department of Entomology and Department of Life Sciences at the University of Nebraska in Lincoln, Neb., to present a seminar and two workshops on black fly cytogenetics, April 11-12.

Adler and **C. I. Dial** (Grad Asst) presented "The Cannibalistic Behavior of the Corn Earworm, Heliothis zea (Boddie)" at the 62nd Meeting, Southeastern Branch, Entomological Society of America in Raleigh, N.C., Jan. 27.

The following paper, "Response of Young Peach Trees to Ambrosiella sulphurea, a Symbiotic Fungus of Xyloborinus saxexeni," by **Joe Kovach** (former Grad Res Asst) and **Clyde S. Gorsuch** (Prof), was recently published in Plant Disease.

P. A. Zungoli (Assoc Prof) presented a seminar March 23 entitled "Aspects of the Biology and Control of the Smokybrown Cockroach" to the Biology Department, College of Charleston.

On April 8, in recognition of World Health Day at the American University in Washington, D.C., Zungoli participated in a symposium on Cockroaches and Public Health and gave a presentation entitled "The Psychological Impact of Cockroach Infestations."

Experimental Statistics

W. C. Bridges Jr. (Asst Prof) presented the following papers at the Annual Meeting of the American Society of Agronomy in Atlanta, Nov. 29 - Dec. 3, 1987:

"Bias in the estimation of heritability and expected selection response" coauthored with S. J. Knapp (Oregon State University).

"Comparison of foundation populations and selection methods adapted by exotic crosses" coauthored with **W. He** (Grad Asst).

"Statistical inferences for expected selection response using jackknifing" coauthored with S. J. Knapp and M. H. Yang (Oregon State University).

P. M. Burrows (Prof) published "Improved Estimation of Pathogen Transmission Rates by Group Testing" in Phytopathology; "Partition of food intake between maintenance and gain among bovine sex phenotypes," written with T. W. Gettys (Vanderbilt University School of Medicine), **D. M. Henricks** (Prof, Animal Science) and B. D. Shanbacher (Roman L. Hruska Animal Research Center), in Animal Production; "Interaction concepts for analysis of responses to mixtures of nematode populations," as Chapter 13 in Vistas on Nematology, J. Veech, Ed.; "Relationships among Australian and North American isolates of the bean yellow mosaic potyvirus subgroup," written with **0. W. Barnett** (Prof, Plant Pathology) and J. W. Randles (Waite Agricultural Research Institute, South Australia), in Phytopathology.

Burrows presented "Quantitative host plant responses to combinations of pathogens", an invited seminar in the Department of Plant Pathology at N.C. State University Feb. 22; and "Nonrecovery of information and an unusual fiducial distribution" at the April 13 annual meeting of the S.C. Chapter of the American Statistical Association in Columbia.

Food Science

J. G. Surak (Assoc Prof) presented a paper, "Statistical Process Control - The Basics" at the 1988 Automated Manufacturers Conference and Exhibition in Greenville April 12-14

Forestry

D. D. Hook (Prof), M. R. McKevlin and D. D. McKee (U.S. For Serv), **S. U. Wallace** (Assoc Prof, Agronomy) and **J. R. Woodruff** (Prof Emeritus, Agronomy) published "Phosphorous allocation in flooded loblolly pine seedlings in relation to iron uptake" in the Canadian Journal of Forest Research 17:1572-1576.

Hook published "Criteria for creating and restoring forested wetlands in the Southern United States" pp. 51-60 in Proceedings of a Conference: Increasing Our Wetland Resources, Oct. 4-7, 1987, Washington, DC. National Wildlife Federation.

S. M. Jones (Ag Sci Assoc III) published "Old-growth forests within the Piedmont of South Carolina" in Natural Areas Journal 8(1):31-37.

C. L. Lane (Prof) published "Evaluation of native and exotic non-leguminous nitrogen fixing species for use as soil improvers in South Carolina" in Nitrogen Fixing Tree Research Reports, vol. 6, pp 24-25.

V. L. Robinson (Assoc Prof) and A. A. Montgomery (Georgia State Univ.) published "Georgia's future timber supply - An economic outlook", Georgia Forest Research Paper No. 75, Georgia Forestry Commission.

Robinson and W. R. Fey (Georgia Institute of Technology) published "The relevance of traditional forest economics research" In Proceedings of the Southern Forest Economics Workers Conference, Orlando, Fla., May 4-6.

F. H. Tainter (Prof) and **J. C. Jacobi** (Grad Asst) published "The effect of drought on growth decline of loblolly pine on littleleaf sites" in Plant Disease 72:294-297.

Tainter and S. W. Oak (U.S. For Serv) published "Risk prediction of loblolly pine decline on littleleaf disease sites in South Carolina" in Plant Disease 72:289-293.

D. H. Van Lear (Bowen Prof) and T. A. Waldrop (U.S. For Serv) published "Effects of fire on natural regeneration in the Appalachian Mountains" pp. 56-70 in Proceedings: Guidelines for Regenerating Appalachian Hardwood Stands, Morganton, W.V., May 22-24.

Van Lear and **S. J. Danielovich** (Grad Asst) published "Soil movement after broadcast burning in the Southern Appalachians" in the Southern Journal of Applied Forestry 12:49-53.

History

J. L. Arbena (Prof) has published "Winners Without Losers: Perspectives on Latin American Sport" in Studies in Latin American Popular Culture. 7 (1988).

Arbena presented "Soccer Stars and Other Heroes in Latin American Sports Poetry" at the annual convention of the North American Society for Sport History in Tempe, Ariz., May 20-23.

Arbena reviewed "Protagonistas: Historia politica de Colombia, 1930-1974," a videotape, in Hispanic American Historical Review, 68:2 (May 1988).

Thomas Kuehn (Assoc Prof) published "Arbitration and Law in Renaissance Florence," Renaissance and Reformation, n.s. 11 (1987): 289-319.

Jerome V. Reel (Prof) reviewed Crown and Nobility, 1271-1461, published in the Historian, Vol. L, No. 1, pp. 80-81 (1987).

Home Economics

Sara Ayers Bagby (Prof) has been appointed chair of the American Home Economics Association Priority Issues Subcommittee on Aging and the Family.

J. H. Christenbury (Assoc Prof) and **G. M. Couchman** (Assoc Prof) presented an exhibit of Family Resource Management programs in South Carolina titled "Clemson University Cooperative Extension Responds to Economic Transitions" at the National Family Economics Extension Specialists' Workshop in Chicago, April 9-13.

Couchman presented a research paper titled "Midlife Women: Employment and Life Cycle Planning" at the National

Family Economics Extension Specialists' Workshop in Chicago, April 9-13.

Couchman served as a discussion leader, "Maximizing Human Capital," round table discussion at the National Family Economics Extension Specialists' Workshop in Chicago, April 9-13.

Industrial Education

D. G. Tesolowski (Assoc. Prof) and G. L. Roth (Coordinator, Northern Illinois University) published "A Comparison of the Importance of Competencies for Applying Microcomputers in Vocational Education" in the Journal of Research on Computing in Education. 1988, 20 (3), 271-28z.

Industrial Engineering

W. J. Kennedy Jr. (Prof) has replaced Jack R. Lohmann of the University of Michigan as a member of the Editorial Board for the IIE for The Engineering Economist (A Journal Devoted To The Problems Of Capital Investment). His term will be from 1988-1991.

D. L. Kimbler (Assoc Prof) assumed his office as president of the Society for Integrated Manufacturing at the International Industrial Engineering Conference in Orlando, Fla., May 16.

He also received a special citation from the Manufacturing Systems Division of the Institute of Industrial Engineers for service to the Institute.

Carl R. Lindenmeyer (Prof) presented a three-day workshop/seminar, "Statistical Process Control: Diagnostic Tools for the Practitioner" May 11-13 The course was sponsored by Continuing Engineering Education and the Department of Industrial Engineering.

Lindenmeyer gave a presentation, "Statistical Process Control: An Executive Overview" at The Fiber Producer Conference in Greenville April 28.

B.A. Watford (Asst Prof) presented a paper entitled "Application of Artificial Intelligence to Automated Manufacturing System Control," at the 1989 Spring Annual Conference of the Institute of Industrial Engineers, held in Orlando, Fla., May 23-25. The paper was co-authored by **R.P. Davis** (Head).

Languages

Edwin P. Arnold (Asst Prof, German) presided at the annual spring meeting of the S.C. Association of Teachers April 16 at Conway High School. He also participated in a panel on South Carolina student exchange and study abroad programs.

Helene M. Riley (Prof, German) presented the paper "Achim von Arnims Erzahlkunst und die 'Neue Mythologie' als romantisches Diktum" at the 41st Annual Kentucky Foreign Language Conference in Lexington, Ky., April 22.

Riley published the review of "Bettine, Psyche, Mignon": Bettina von Arnim und Goethe (Konstanze Bzumer) in The Romantic Movement, D. Erdman, editor (New York: Garland, 1987), p. 410.

Margit M. Sinka (Assoc Prof, German), received an all-expenses paid Fulbright grant for a summer seminar on "Modern German Civilization." The seminar was held in Bonn and Berlin from June 10 to July 15.

Sixto E. Torres (Assoc Prof, Spanish) organized "Interest Session/ Seminar: Freedom, Censorship and Visions of California in Hispanic Literature of the United States," (chaired by Prof. Reynaldo Ruiz 'of Eastern Michigan University), at the AATSP Convention in Los Angeles, Aug. 14-16, 1987.

Torres chaired a session "Hispanic Literature of the United States," at the AATSP Convention in Los Angeles, Aug. 14-16, 1987.

Torres presented a paper "The Meaning of Jose Martin Recuerda's Amadis de Gaula," in the AATSP Convention in Los Angeles, Aug. 14-16, 1987.

Torres organized .and chaired "Post-War Theatre: New Visions and Voices of Post-War Spain," at the 37th Mountain Interstate Foreign Language Conference, Richmond, Va., Oct. 8-10, 1987.

Torres presented a paper "From Myth to Reality: The "Celestina" In Two Works by Martin Recuerda and Alfonso Sastre," at the 37th Mountain Interstate Foreign Language Conference, Richmond, Va., Oct. 8-10, 1987.

Torres has published an article "Relevant Topics for Oral and Written Expression," in A Propos, Vol. III, No. 1 (Fall, 1987): 13-15.

Marketing

Stephen J. Grove (Asst Prof) co-authored an article entitled, "The Sales Force as a Marketing Intelligence System," which appeared in the Journal of Business and Industrial Marketing 3(1), 1988, pp. 53-59. Co-authors were T. Festervand (University of Mississippi) and E. Reidenbach (University of Southern Mississippi).

Michael J. Stahl (Head) was notified by Greenwood Press that they had accepted his manuscript for publication as a research book. The book "Executive Strategic Decisions: Differences Between Practice and Theory" should be published before the end of the year.

Mechanical Engineering

Richard S. Figliola (Assoc Prof) and Iver Anderson (Ames Laboratory) presented, "Observations of Gas Atomization Process Dynamics" in a Symposium on Gas Atomization at the International Powder Metallurgy Conference held in Orlando, Fla., June 5-10.

Physics and Astronomy

Philip B. Burt (Prof) lectured at the University of Tubingen (Germany) and Bradford University (England). He also visited the Institute for Nuclear Research at Karlsruhe and the University of Kent. The trip was supported by a NATO grant.

W. E. Gettys (Prof) attended the Advanced Placement (AP) Physics Reading in the Princeton, N.J., area from June 15-23. Gettys is the Chief Reader for AP Physics and is responsible for supervising the reading or grading of the free response portion of the examination and for determining the cutoff scores that describe students' performance.

A. L. Laskar (Prof) organized five focused sessions on "Ionics and Superionics" for the March Meeting of APS, New Orleans, at the request of the Materials Science Forum of the APS. Laskar was selected to preside over the opening session of this forum.

Laskar published a paper entitled "Diffusion of Cesium, Cerium and Sulfur in Silver Halides and Size Effect of

the Solutes" co-authored by K. V. Reddy and W. Popson, in Progress in Basic Principles of Imaging Systems, edited by F. Granzer and E. Moisar, Braunschwieg, Germany, August, 1987.

Laskar has received from NATO an award of $61,000 to organize an Advanced Study Institute on "Diffusion in Materials" to be held at Aussois, France, March 12-25, 1989. The Institute will have about 100 participants of which 25 are distinguished invited speakers in the area of Physics and Material Science. NATO Advanced Study Institutes are organized to review the state-of-the-art in a given field and to formulate recommendations for future research.

Y. V. Murti (Vstg Prof) presented the following two papers at the American Physical Society Meeting, March 21-25, in New Orleans: "Enhanced Diffusion of Silver Ion in AgCl:A1203 Composites" co-authored by **A. L. Laskar** (Prof), **W. C. Miller** (undergrad); and "Vacancy Diffusion of Sulfur Ion in Silver Chloride" authored by **Laskar**, **K. V. Reddy** (Vstg Prof) and **S. R. Betarbet** (grad stud).

John R. Ray (Prof) and **Tahir Cagin** (grad stu) have published the paper: "Isothermal Molecular Dynamics Ensembles" in Physical Review A, June 1, 1988 page 4510.

Ray and **Mark D. Kluge** (Vstg Asst Prof) have published the paper: "Elastic Constants and Density of States of a Molecular-Dynamics Model of Amorphous Silicon" in Physical Review B, March 15, 1988 Vol. 37, p. 4132.

Ray presented an invited lecture "Molecular Dynamics Study of Silicon" at the Aneesur Rahman Memorial Symposium at the University of Minnesota, March 20.

Raymond C. Turner (Prof) served on the panel of the national Topical Network Group on Laboratory Work in Physics Education which met in Crystal City, Md.

Turner served on the Committee on Science Education for the Public at the meeting of the American Association of Physics Teachers in Crystal City, Md.

Turner published "A Physics Toy: Magnetic Seal and Ball" in The Physics Teacher 25 568-9 (1987).

Plant Pathology and Physiology

L. W. Baxter Jr. (Prof), **Sally B. Segars** (Ag Sci Assoc), and **Susan G. Fagan** (ag sci asst) published an article entitled "A note on rooting Camellia sasanqua cuttings in sand" in The American Camellia Journal 43:30 (May 1988).

They also published an article entitled "Resistance to benomyl in the camellia strain of Glomerella cingulata" in the May 1988 issue of The American Camellia Journal, Vol. 43, p. 11-13.

D. W. Cain (former peach breeder, Hort Dept), **E. I. Zehr** (Prof), W. R Okie (peach breeder, USDA, Byron, Ga.) and A. P. Nyczepir (nematologist, USDA, Byron, GA) published an article entitled "Screening of Prunus germplasm for resistance to Criconemella xenoplax and peach tree short life" in the May 1988 issue of Stone Fruit Tree Decline, Third Workshop Proceedings held Oct. 28-29, 1986. p. 31-33.

J. E. Lawrence (Res Spec II), **G. E. Carter Jr.** (Prof), and **E. I. Zehr** (Prof) published an article in the May 1988 issue of Stone Fruit Tree Decline, Third Workshop Proceedings held Oct. 28-29, 1986. Title of the article is "Effect of fall and winter pruning as related to cultivar in peach tree survival" p. 21-24.

Mark Mazzola (former grad res asst) and Carter published an article entitled "Electrophoretic analysis of crude protein extracts for the identification of peach rootstocks" in the May 1988 issue of Stone Fruit Tree Decline, Third Workshop Proceedings, held Oct. 28-29, 1986, p. 97-98.

R. W. Miller (Prof) published an article entitled "Estimated peach tree death in South Carolina since 1979 - causes and economic impact" in Stone Fruit Tree Decline, Third Workshop Proceedings, Oct. 28-29, 1986, May 1988 issue, p. 18-20.

Melissa B. Riley (ag sci assoc II) and Carter, published an article entitled "Effect of nematode induced stress on ethylene production in peach trees" in the May 1988 issue of Stone Fruit Tree Decline, Third Workshop Proceedings, held Oct. 28-29, 1986. p. 25-26.

S. W. Scott (Assoc Prof, Sandhill REC), **0. W. Barnett** (Prof). and **R. B. Baker** (Ag Sci Assoc II) published an article entitled "Some facets of the ecology of prunus necrotic ringspot virus in peach trees in South Carolina" in the May 1988 issue of Stone Fruit Tree Decline, Third Workshop Proceedings, held Oct. 28-29, 1986. p. 43.

Political Science

Michael A. Morris (Prof) wrote a book review essay on a two-volume work by Neuman and Harkavy, The Lessons of Recent Wars in the Third World, in Third World Affairs: 1988, pp. 540-543.

Morris has published a book, Expansion of Third World Navies (Macmillan, London, England, 1987 and St. Martin's Press, New York, 1987).

While Morris is a Fulbright Exchange Professor in Britain during the academic year 1987-88, he has also delivered lectures at British secondary schools for the Fulbright Commission.

Morris has been named an Academic Visitor at the London School of Economics during the 1988 Lent and Summer Terms.

Morris delivered a lecture on "Third World Navies: Problems and Prospects," at the Naval Power Seminar of King's College, University of London, Feb. 17.

Morris delivered a lecture on Latin America and the law of the sea at the University of Southampton, England, Jan. 25.

Morris presented two conference papers at the International Studies Association meeting, St. Louis, Mo., March 28 - April 1: "Stages in the Development of Third World Marine Policies," and "Great Powers in the Redemocratization of the Southern Cone of Latin America."

Morris presented a conference paper, "Ocean Policy and Strategic Industries in Latin America," at the Latin American Studies Association meeting March 17-19 in New Orleans.

Morris also edited a section on "Ocean Affairs" for the yearbook, Third World Affairs: 1988 (London, England: Third World Foundation for Social and Economic Studies, 1988), pp. 359-404. In addition to general and editorial responsibilities for this section, Morris co-authored an article with Robert S. Pomeroy (Asst Prof, Agricultural Economics and Rural Sociology) on "Third World Ocean Policy Development," pp. 359-369;

and he translated another article from Spanish by C.H. Rodriguez Berrutti, pp. 400-404.

Poultry Science

D. V. Maurice (Assoc Prof) was an invited speaker at the 36th Annual Pfizer Research Conference held in Nashville, Tenn. Maurice was the first speaker from Clemson University to appear on the program since its inception in 1952.

Parks, Recreation and Tourism Management

R.L. Howell (Assoc Prof) and **L. Bertel** (Grad Asst) presented "A Report on the NTF College I.D. Project" to the Board of Trustees of the National Tour Foundation in Tampa, Fla., April 18.

Howell presented "Clemson's Travel & Tourism Management Program: A Prize-Winning Cake from a Totally Different Mold" to the Southeastern Chapter of the Council on Hotel, Restaurant & Institutional Education in Knoxville, Tenn., April 23.

Sociology

John M. Coggeshall (Asst Prof) recently published "Legislating Ethnicity: The Temperance Brouhaha in Southwestern Illinois," pp. 107-117, in Transactions of the Illinois State Historical Society (Springfield: Illinois State Historical Society, 1988), ed. by R. W. McCluggage and R. E. Hauser.

Brenda J. Vander Mey (Asst Prof) read a paper "The Sexual Abuse of Boys and Girls: A Comparative Analysis" at the National Symposium on Child Victimization, Anaheim, California, April 27-30.

Vander Mey recently published "The Sexual Victimization of Male Children: A Review of Previous Research" in Child Abuse and Neglect, Vol. 12 No. :z pp. 61-72. (Winter, 1988)

Student Health Services

Sandra C. Smith, R.N., (Nursing Supervisor, Redfern Health Center) was reappointed to the Board of Directors of the American College Health Association (ACHA) at its annual meeting in May.

The ACHA is a professional organization that represents the health care needs of the 13 million college-age students enrolled in higher education in the United States.

Smith will serve a one year term, 1988-89. She was appointed by Dr. Richard Keeling, President of ACHA and Director of Student Health at The University of Virginia.

Ringeisen to head mathematical sciences

Richard D. Ringeisen

the new head of mathematical sciences

Richard D. Ringeisen has been appointed head of the mathematical sciences department.

Ringeisen, former associate department head, was chosen to fill the position following a months-long nationwide search.

A math professor here since 1986, Ringeisen also has served as acting director and research program director for discrete mathematics at the Mathematical Sciences Division of the Office of Naval Research.

He earned his bachelor's degree at Manchester College in Manchester, Ind., and his master's and Ph.D. at Michigan State University.

Ringeisen's research at Clemson in discrete mathematics includes a $166,000 grant from the Office of Naval Research and a $442,526 grant from the National Science Foundation.

He assumes his new position Aug. 1 following the departure of John Fulton who is leaving Clemson to become dean of arts and sciences at the University of West Florida.

Yelton receives travel-study award

Extension agent Ann Yelton

travel-study award recipient

Extension Service agent Ann Yelton of Oconee County is the 1988 recipient of the Buff-Swicegood travel-study award in home economics.

The award, presented each year by the S.C. Extension Homemakers Council, provides money for a Clemson Extension home economist to visit another state for up to two weeks to study that state's educational approach to solving a particular problem.

Information gathered during the travel is shared with other Clemson Extension agents and members of the S.C. Extension Homemakers Council as they develop educational programs to help South Carolinians.

The Buff-Swicegood award is named for Betty Buff, former state president of the S.C. Extension Homemakers Council, and for Myrle Swicegood, former assistant Extension director of home economics at Clemson.

The S.C. Extension Homemakers Council is coordinated by the Clemson Extension Service.

Clemson
EVENTS
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

August

All month

Exhibit: **Olivia Jackson cGee: A Memorial Exhibition.** ee Gallery, Lee Hall. 9 a.m.-4:30 m. Monday-Friday, 2-5 p.m. Sun-ays. Sponsored by College of rchitecture (656-3081)

14

Dorms open at 10 a.m.

15

Student orientation.

Faculty/staff orientation.

15-18

Conference: **Research in-titute.** Outdoor Lab. Sponsored y Continuing Nursing Education 56-3078).

16

Registration.

Welcome Back Festival. owntown Clemson, 4 p.m. Spon-ored by Alumni Association (656-345).

Auditions for violin students for MUS 151. 10 a.m. - noon and 1-2 p.m., 218 Daniel Hall.

Cooper Library Orientation Tour: 2 p.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

17

Late registration.

General faculty/staff meeting, 10 a.m., Tillman Hall Auditorium.

New graduate student orientation. 2-5 p.m., Tillman Hall Auditorium. Sponsored by Graduate Student Association (Gary Kinnard, 656-5748).

Films: **"Stripes"** and **"Caddyshack."** Amphitheater, dusk. Sponsored by University Union (656-2461).

Cooper Library Orientation Tour: 11:15 a.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

18

Classes begin; late registration fee.

Cooper Library Orientation Tour: 2 p.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

18-20

Film: **"Fatal Attraction."** Y-Theater, 7 and 9:15 p.m. $1.75 with University I.D. Sponsored by University Union (656-2461).

Cooper Library Orientation Tour: 9:30 a.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

19-20

Orange Carpet Weekend for prospective Clemson honors students and their parents. Sponsored by Alumni Association, Student Alumni Council and Admissions Office (656-2345).

20

Concert: **free band.** Amphitheater, 6-10 p.m. Sponsored by University Union (656-2461).

Six Flags trip. Sponsored by University Union (656-2461).

21

Film: **"High Anxiety."** Y-Theater, 7 and 9:15 p.m. Free with University I.D. Sponsored by University Union (656-2461).

22

Cooper Library Orientation Tour: 7 p.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

23

New faculty barbeque: Outdoor Lab, 6:30 p.m. (Pam DeFratus, 656-2340).

Special event: **"Centennial Bowl."** Union Loggia, 11 a.m. to 1 p.m. A College Bowl demonstration where students, faculty and staff compete to answer questions about Clemson University's history. Sponsored by University Union (656-2461).

Cooper Library Orientation Tour: 11 a.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

24

University Union Drop In. Union Loggia, noon to 3 p.m. Information on Union committees. Sponsored by University Union (656-2461).

Special event: **free sundae.** Union Loggia. Sponsored by University Union (656-2461).

Special event: **Transtar Mobile Recording Studio.** Union Loggia, 11 a.m. to 4:30 p.m. $3. Sponsored by University Union (656-2461).

Film: **"Play Misty For Me."** Y-Theater, 7:30 p.m. $2 with University I.D. Sponsored by University Union (656-2461).

Last day to register or add a class.

Cooper Library Orientation Tour: 1:30 p.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

25

Cooper Library Orientation Tour: 10:30 a.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

25-27

Film: **"Full Metal Jacket."** Y-Theater, 7 and 9:15 p.m. $1.75 with University I.D. Sponsored by University Union (656-2461).

26

Cooper Library Orientation Tour: 1:30 p.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

26-27

Concert: rock band **"Widespread Panic,"** 9 p.m. $2. Sponsored by University Union (656-2461).

28

Film: **"Lords of Discipline."** Y-Theater, 7 and 9:15 p.m. Free with University I.D. Sponsored by University Union (656-2461).

29

Cooper Library Orientation Tour: 9:30 a.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

30

Cooper Library Orientation Tour: 7 p.m., starts in the foyer near the Brown Room. No reservations needed. (Jan Gambrell, 656-5179).

Film: **"Hollywood Shuffle."** 8 p.m. in Edgars. $1 with University I.D. Sponsored by University Union (656-2461)

30-Sept. 1

Seminar: **Fundamentals of Textiles.** Sirrine Hall. Sponsored by Professional Development (656-2200).

Clemson
WEEKLY
Vol. 28, No. 5 Aug. 3, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

$2.2 million grant to boost community leadership

The W. K. Kellogg Foundation of Battle Creek, Mich., has awarded Clemson a $1.1 million grant to revitalize four South Carolina rural communities through local leadership development.

The Kellogg Foundation will provide $423,500 for the first year of a three-year rural leadership program to be coordinated by Clemson's Extension Service. About $421,000 will be provided the second year and $258,000 the third year.

Clemson is to arrange an additional $1.1 million in staff time and resources from the University and other agencies and organizations that take part, thus bringing the total value of the program to $2.2 million.

Both experienced and emerging leaders in rural communities will be involved in the project, which will be coordinated by Elwyn Deal, an assistant director of the Clemson Extension Service. It will be directed by a University steering committee.

Community leaders will be invited to take part in a 12-week, 36-hour leadership development program to be held in the evenings. As part of this program, they will identify special problems in their counties and pick three or four to tackle, says Deal.

By the end of the first year Clemson hopes to be using ideas and materials tested in four pilot counties in other South Carolina counties with similar problems.

The W. K. Kellogg Foundation, one of the world's largest private philanthropic organizations, has distributed more than $1 billion in support of programs in agriculture, education and health.

Dinner to celebrate Gantt fund success

Atlanta Mayor Andrew Young will keynote a public dinner Sept. 2 celebrating the early success of a $1-million fund drive to help increase black enrollment at Clemson.

Harvey Gantt

The event, sponsored by the Clemson Black Alumni Council, will mark the 25th anniversary of the enrollment of Clemson's first black student, former Charlotte Mayor Harvey Gantt.

The $50-per-plate dinner will begin at 7:30 p.m. at the Hyatt Regency Hotel in Greenville.

Tickets are available now in the Alumni Center.

A fund-raising effort chaired by Trustee Bill L. Amick and former Trustee James E. Bostic Jr. already has secured more than $200,000 in gifts and pledges for The Harvey B. Gantt Scholarship Endowment Fund. The fund will be used to recruit and retain more black students.

Programs such as the Clemson Career Workshop, now in its 10th year, and the College of Engineering's new Program for Engineering Enrichment and Retention have significantly increased black student interest in Clemson.

The scholarship fund is named for Gantt because of the historic nature of his enrollment and because of his accomplishments in business and public service.

Gantt's peaceful enrollment in Clemson's architecture program made national headlines in January 1963, when he became the first black student to enter an all-white institution of higher education in South Carolina.

He graduated from Clemson with honors in 1965 and earned a master's in city planning from the Massachusetts Institute of Technology in 1970.

In 1971, he established Gantt/Huberman and Associates, an architectural and city planning firm in Charlotte. He served as mayor of Charlotte for two terms.

Briefly

Faculty to meet Aug. 17

There will be a general faculty meeting Wednesday, Aug. 17, at 10 a.m. in Tillman Hall Auditorium.

Fike offers ballet class

Fike Recreation Center will offer a ballet/stretch class beginning this fall.

Offered as an alternative, or a supplement, to aerobics, the ballet class is designed to build overall strength, flexibility and coordination.

The class is available to everyone, regardless of past training. The class will be geared toward stretching through barre and center work, and will also include floor stretches to increase flexibility.

Jan Jurecek, currently a member of the Greenville Ballet Company, will be the instructor.

For more information, call John Boyte at 656-2117.

YMCA water aerobics begin Aug. 1-2

The YMCA will begin new sessions of water aerobics Aug. 1-2.

Classes will be held at Fike Recreation Center from 10-11 a.m. Mondays and Wednesdays and from 9-10 a.m. Tuesdays and Thursday.

For more information, call the YMCA at 656-2460.

Aerobics classes highlight Fike agenda

Here's what's going on at Fike Recreation Center during the next several weeks:

The big gym and the free-weight room will be closed Aug. 8-14 for floor repairs and resurfacing.

Aerobics classes will resume Aug. 29, offering both high- and low- impact styles. Also, plans are under way to provide high-impact classes with emphasis areas such as legs, upper body and stretching.

Also, Fike is investigating the need for water aerobics and ballet/stretch classes for the fall semester.

If you are interested in either of these classes, call John Boyte at 656-2117.

YMCA will offer after-school child care

The Clemson YMCA will offer after-school child care for 1st-6th graders this school year.

Children will be transported from school to the YMCA, where they will be supervised by trained staff from 2:30 to 6 p.m. Time will be made available for activities, snacks, arts and crafts, and homework.

For more information, call the YMCA at 656-2460.

Smith named Union operations director

George Smith is the new operations director at the University Union.

The responsibilities of the new position include managing the Union's business affairs, as well as Edgar's, the games and recreation area and the new Union store, Cats. He also supervises the maintenance of Holtzendorff YMCA Center and Tillman Hall Auditorium.

Clemson, industry form construction alliance

To combat costly errors that historically have plagued the construction industry, a group of industry leaders have joined Clemson to form the Construction Industry Cooperative Alliance (CICA).

The CICA will operate as a clearinghouse for research information compiled by the civil engineering and building science programs, along with programs at other universities.

"Researchers at various institutions are studying a variety of problems in the construction industry," says Tom Oswald, director of CICA.

"What we intend to do is gather that information and disseminate it in the form of seminars, workshops and other means of communication for our members."

Construction is the largest single industry in the United States, representing some $400 billion in annual expenditures.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Aug. 5, for Aug. 17 issue.**

Sandhill Center to add urban agriculture

The mission of Clemson's Sandhill Research and Education Center in Columbia, which has included research on fruits, vegetables and animals, will be expanded this coming year to include urban agriculture.

The 1,057-acre research center, located in Richland County, will be transformed to serve commercial and consumer ornamental enterprises.

New research programs will focus on ornamental horticulture and producing ornamentals for the soils and climate of the mid-state region.

Ornamental horticulture includes nursery crops, landscape design and maintenance, turf use and production, and home, public and commercial gardening.

As part of the program expansion, the Board of Trustees has approved procedures to offer for sale an isolated 176-acre tract of the Sandhill Center known as the Hard Scrabble Tract.

The property will be offered for sale by sealed bids on four parcels and as a whole. The tract of land is not contiguous to the largest portion of the center and has been used only as woodlands where pine and oak have been grown.

A recent study by the S.C. Agricultural Statistics Service shows the ornamental horticulture industry generates about $278 million annually for the state.

Burkett named employee of the year

Wilma Burkett has been named the Clemson University Libraries Classified Staff Employee of the Year for 1987.

She is the first recipient of the award in a new program that recognizes employees on the basis of work attendance, positive interaction with others, extraordinary achievements and innovative suggestions that have led to improved productivity.

In honor of her outstanding service, Burkett's name has been engraved on a plaque, that will be displayed in the lobby of the Cooper Library. In addition, she received an engraved silver tray and an Anderson Mall gift certificate.

Burkett, who has worked in the University Libraries for 25 years, is a library specialist responsible for ordering and processing all journals and serial publications for the Libraries.

Director of the Libraries Joe Boykin congratulates Wilma Burkett on her being named the Libraries' staff employee of the year.

See Crenshaw for University publications

Diane Crenshaw

the new publications manager

Diane Crenshaw is the publications manager in the publications and graphics department.

As publications manager, Crenshaw will supervise the planning, budgeting, coordinating, writing, editing and production of all educational and general publications for the University.

She also will supervise the planning and production of exhibits and displays to promote public understanding of higher education and research.

Her number is 656-2469.

Robot manages computer tape library

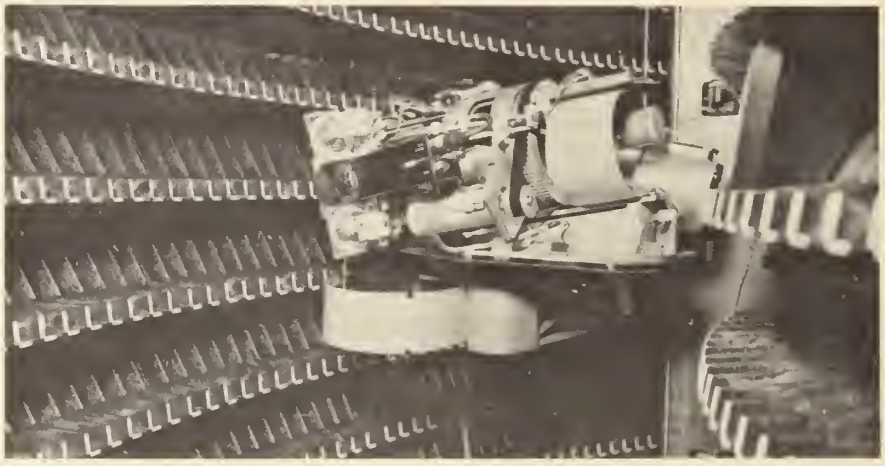
The Division of Computing and Information Technology recently unveiled a new $350,000 robot that will manage its complex library of tape cartridges.

"This is the first of its kind in the Southeast," says Christopher Duckenfield, vice provost for computing and information technology.

The robot, or Library Storage Module, is capable of managing up to 6,000 tape cartridges. The module houses the tapes in shelves along its walls. Its robot arm equipped with a video camera rotates from a mount in the center, busily plucking tapes from shelves and refiling others.

"The Library Storage Module significantly cuts back on the time it takes to mount tapes," says Duckenfield.

"While a person may take between 2-5 minutes to do the job, this robot zips right through at an average of 11 seconds per mount."



DCIT's new computer tape filing robot is a major time saver, a critical factor for an organization which files hundreds of tapes each day and whose computer time is charged out to the fraction of a second.

Massive amounts of information, such as academic records, scientific research, and the state's Medicare records, are stored on and retrieved from the tapes, he says.

Brady named Clemson PSI secretary of the year

Linda Brady, an administrative specialist in the finance department has been named secretary of the year by the Clemson Chapter of Professional Secretaries International.

Helen Arterburn, Angie Honea and Linda Brady are the recipients of Clemson professional secretaries awards.

Brady, the chapter's president, was selected on the basis o education, work record and activity in the chapter.

In addition, Brady recently was elected to the Commission on Classified Staff Affairs.

She will serve as an Academic Affairs representative for the Colleges of Architecture, Commerce and Industry, Education, Liberal Arts, and Nursing.

Helen Arterburn, an administrative specialist in the School of Accountancy, received the distinguished service award for her contributions to the chapter, including her work as editor of the chapter's newsletter.

Angie Honea, a secretarial science student at Tri-County Technical College, received a $200 scholarship

Clemson WEEKLY
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

A 40 percent jump

Private giving tops $10 million for first time

Private giving for academic programs at Clemson University jumped a phenomenal 40.2 percent in 1987-88, reaching $10.3 million and crossing into double digits for the first time in history.

Academic giving during the year that ended June 30 outstripped the previous record, set in 1986-87, by $3 million.

"This is directly attributable to the high quality of the work being done by the faculty and the strong leadership being provided by academic administrators and volunteer groups," says Gary A. Ransdell, vice president for Institutional Advancement.

"The faculty and administration understand the importance of private support and have made it a priority."

Ransdell credits volunteer groups, such as the Trustees, the Clemson University Foundation's board of directors, the Clemson Alumni Association's national council and the University's Board of Visitors, with "building the momentum for giving and spreading the message that private support can mean the difference between being a good university and a great university."

Of the $10.3 million total, $5.2 million came from individuals, $3.2 million from corporations, and $1.9 million from foundations and trusts.

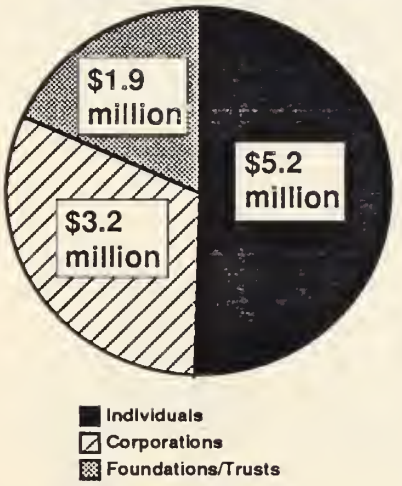
Altogether, 17,878 gifts were received from individuals, corporations and foundations for current operations and capital purposes. The average gift from all sources was $399.

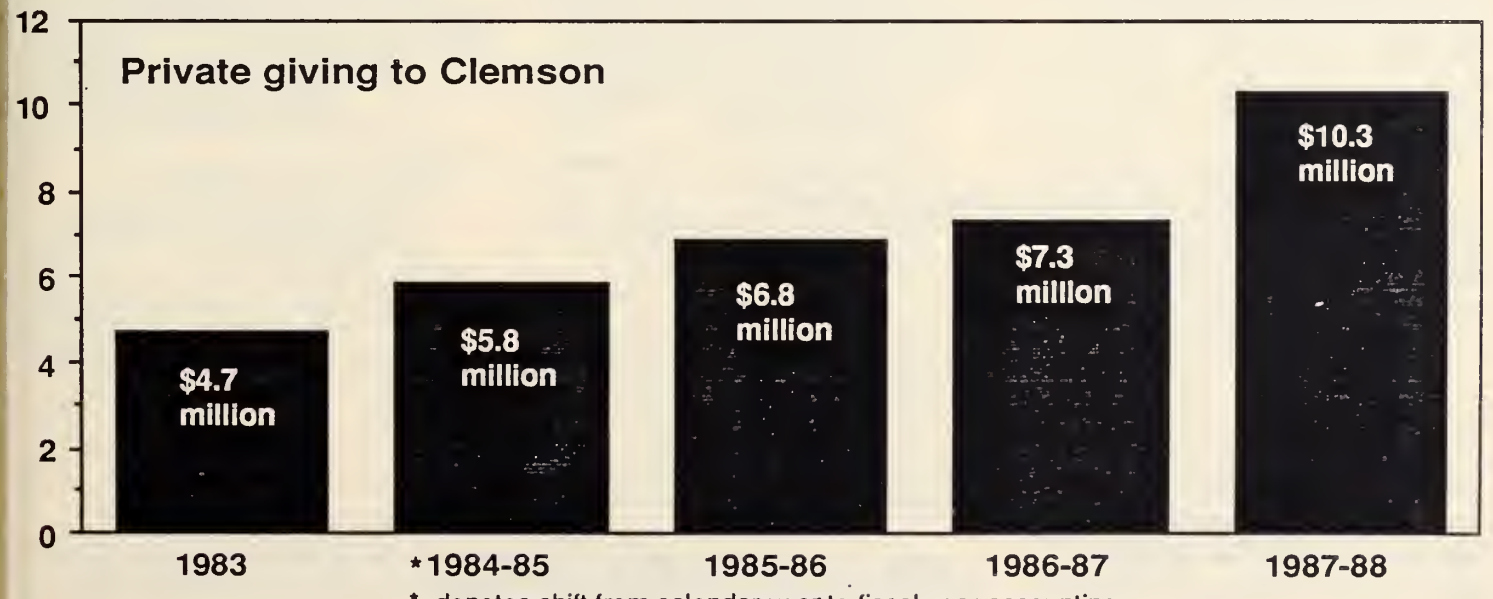
Unrestricted giving to the annual Clemson Loyalty Fund topped $1 million for the first time ever, with a record number of individuals — 14,592 — making annual gifts to current operations. The average gift was $85.

Of 46,000 alumni of record, 26.5 percent — twice the national average for state-assisted schools — participated in the Loyalty Fund.

A total of $42,217 was received from 1,280 individuals who had never given before.

1987-88 private giving by category





* denotes shift from calendar year to fiscal year accounting

It could pay you to open a tax-deferred annuity

by Tammy Yeargin

Financial terminology can be intimidating to those who aren't very business minded, but here's a term that you might benefit from knowing: tax-deferred annuity.

"A lot of folks don't understand tax-deferred annuities, so they put them off, when it would really pay them to open one as soon as possible," says Ron Herrin, director of Payroll and Employee Benefits Programs.

What is a tax-deferred annuity?

A tax-deferred annuity is a legal way to delay paying taxes on a part of your income until retirement while earning relatively high interest.

When you get ready to retire, the taxes you pay may be considerably less because of standard deductions and exemptions for those aged 65 and over.

"Through a tax-deferred annuity, every full-time University employee can lower his or her taxable income, supplement his or her retirement plan and earn higher interest than a savings account," says Herrin.

For example, he says, if a person aged 22 puts $2,000 a year into an annuity for eight years at 10 percent interest and never adds another dime, he or she will have $666,906 at age 65.

The individual who waits until age 30 to start saving the same amount annually at the same interest and continues to deposit $2,000 every year until age 65 will have $562,418 upon retirement.

"Regardless of when you start, that's still a lot of money, and there's no reason to avoid this plan no matter what your age or ability to save," he says.

"If you can save just $15 per payday, you'll end up with a good bit of money when you retire."

How do you start one?

Herrin says the office has a list of tax-deferred annuity companies that currently meet University enrollment requirements.

Interested employees should decide how much they can afford to save, talk with representatives from the various annuity companies, then complete a salary reduction agreement available in the Payroll and Employee Benefits Office.

The money will be deducted from the first two paychecks of each month and remitted to the selected company for credit to the employee's account.

"Employees should be aware that a tax-deferred annuity is not a short-term savings plan because there is a federal tax penalty for early withdrawal, as well as other restrictions," he says.

However, he adds, employees can stop contributing to the accounts at the first of each month, provided that his office has received proper notification.

If you think you'd be interested in starting a tax-deferred annuity, call the Payroll and Employee Benefits Office at 656-2000.

For the record...

Several facts were incorrectly reported in the July 27 *Clemson Weekly* concerning new mathematical sciences department head Richard D. Ringeisen.

To straighten the record:

He has been on the faculty here since 1979.

He was part of a 12-member team from the mathematical sciences department that was awarded a $442,536 research grant from the National Science Foundation.

Faculty to meet in Tillman Auditorium Aug. 17

A general faculty meeting will be held Wednesday, Aug. 17, at 10 a.m. in Tillman Auditorium.

The agenda is as follows:

1. Call to Order
2. Recognition of Members of the Stage Party
3. Approval of Minutes of the May 1988 Faculty Meeting
4. "Center for Excellence in Science and Mathematics Teaching" (Luedeman)

"PEER Program" (Snelsire)

5. Introduction of President Lennon
6. Lennon's address
7. Questions and Answers
8. Adjournment

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Aug. 12, for Aug. 24 issue.**

Clemson WEEKLY

Vol. 28, No. 7 Aug. 17, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Conference to examine racism in higher education

The Office of Human Resources will host a two-and-a-half day conference on the issues of racism, prejudice and separatism in higher education Sept. 20-23 at the Hyatt Regency in Greenville.

The meeting is open to anyone interested in the question of racism on the nation's college campuses.

This is OHR's second Vital Issues conference to focus on the problems faced by blacks in the higher education environment.

Among the speakers will be *Julia Wells*, coordinator of the S.C. Higher Education Desegregation Plan for the S.C. Commission on Higher Education; *Delbert Spurlock Jr.*, Assistant Secretary of the Army for Manpower and Reserve Affairs; *Reginald Wilson*, director of the Office of Minority Concerns for the American Council on Education; and *Marcia A. Savage*, president of Manhattanville College.

A number of other leaders in higher education will address the question of finding meaningful ways to enhance opportunities for black students, faculty and staff in higher education.

University Vice President for Research G. Jay Gogue will moderate a panel discussion of representatives from foundations and federal agencies who will discuss available funding for blacks. Also, a workshop for proposal development will be offered.

President Max Lennon will deliver the keynote address, and S.C. Commissioner on Higher Education Fred Sheheen will conclude the conference.

For more conference information or details on partial and departmental registrations, call Jane Knapp in the Office of Human Resources at 656-3181.

Experiment Station names associate director

D.C. Coston

the new associate director of the S.C. Experiment Station

D.C. Coston, an internationally recognized horticulture research scientist and professor, has been named associate dean/director of the S.C. Agricultural Experiment Station.

As associate dean/director, Coston will help secure funding for agricultural and natural sciences research at Clemson.

He will seek support, provide coordination of research projects, and serve as a partner in decision-making processes for the Experiment Station.

Coston assumed his new position Aug. 15, replacing Absalom Snell, who retired from the post June 30 after serving the Experiment Station for 39 years.

Coston, a native of Hendersonville, N.C., has served as a professor and researcher with the horticulture department for 10 years.

The majority of his research is in tree fruits with an emphasis on peaches. Before coming to Clemson, he was an Extension fruit specialist and assistant professor at Virginia Polytechnic Institute and State University.

Coston earned a bachelor's degree from North Carolina State University and a master's and doctorate from Michigan State University, all in horticulture.

Tickets still available for Gantt dinner

Tickets are still available for the Sept. 2 public dinner celebrating the early success of a $1 million fund drive to increase the University's black enrollment.

The fund is named for Harvey Gantt, Clemson's first black student and former mayor of Charlotte, N.C.

Tickets for the $50-per-plate dinner, which is sponsored by the Clemson Black Alumni Council, can be purchased by calling the Alumni Center at 656-2345.

The dinner, which features a keynote address by Atlanta Mayor Andrew Young, begins at 7:30 p.m. in the Greenville Hyatt Regency Hotel. A reception will begin at 6:30 p.m.

Briefly

Search reopened for Emerging Tech director

The University has reopened the search for a director of the Emerging Technology Development and Marketing Center.

The position will report to the vice president for research.

The center's primary goals are to promote the creation of successful product manufacturing business in South Carolina and to support established companies seeking to develop new products or product businesses in the state.

For details, call search committee Chairman Bob Gilliland at 656-2437 or write him c/o Emerging Technology Development and Marketing Center Search Committee, University Square.

YMCA fall soccer starts

YMCA fall soccer begins the week of Aug. 29 for all ages — 1st and 2nd graders, under 10, under 12, under 14 and under 16.

Register at Holtzendorff YMCA Center through Aug. 24.

Call 656-2460 for information.

Engineering undergoes administrative changes

This academic year brings several administrative changes to the College of Engineering.

Russell Brown, former associate dean of research for the college, returns to his position as civil engineering department head.

Tom Oswald will leave his post as director of engineering development to become director of the Construction Industry Cooperative Alliance and pursue a doctorate in engineering.

A. Wayne Bennett, electrical and computer engineering department head, has been appointed interim associate dean for research and external affairs, which will allow him to direct both research and fund-raising activities in the College of Engineering.

A nationwide search for someone to fill that position permanently is under way.

Water aerobics begin

YMCA water works aerobics are being held at Fike Recreation Center every Monday and Wednesday from 10 to 11 a.m. and every Tuesday and Thursday from 9 to 10 a.m.

For information, call 656-2460.

Union bowling begins

If bowling is right up your alley, sign up at the University Union.

A Monday-night league for teams with three members begins Aug. 29 at 7 p.m.

A Wednesday-night individuals league begins Aug. 31 at 7 p.m.

Call the Union Info Desk at 656-2461 for more information.

Softball starts Aug. 26

The second annual Clemson Invitational Softball Tournament begins Friday, Aug. 26, at 5 p.m. on the Intramural Fields.

The tournament will continue through Sunday, Aug. 28, and will be a 32-team, double-elimination event for faculty, staff and student teams.

For more information, call 656-2119 or 656-2309.

Planning calendars now available

Omicron Delta Kappa has published its 1988-89 personal planning calendar.

The calendar is a compilation of academic, athletic, cultural, social and Centennial events scheduled for this year. It also contains a campus map, an index to campus buildings, operating hours for various departments and services, and a general information guide.

Calendars are $4 and are available in the Calhoun College Honors Program Office in Room 532 of the Clemson House and in the University Bookstore.

Omicron Delta Kappa is a leadership and academic honorary society.

Aquacize classes start

YMCA aquacize classes, designed especially for those with muscle- or joint-discomforts, are being held at Fike Recreation Center every Monday, Wednesday and Friday from 9 to 10 a.m.

For information, call 656-2460.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Aug. 19, for Aug. 31 issue.**

Clemson
WEEKLY
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

photo by Patrick Wright

They're ba-ack...

Students rolled back onto campus last week before the start of fall semester.

Here Ken Ols helps his daughter, Melissa, move into her dorm room.

Melissa is sophomore from Greenville.

If you need a photo I.D. don't go to the photo lab.

I.D.s are now made in the University Union administrative offices on the seventh level of Johnstone Hall.

For more information, call 656-2461.

Retirement benefits increase

by Tammy Yeargin

Members of state retirement systems will notice quite a few changes this year from last year.

Two retirement systems, the S.C. Retirement System (SCRS) and the S.C. Police Officers Retirement System (SCPORS), were affected and will provide increased benefits to their members, says Dick Simmons, assistant personnel director.

"Two major changes are earlier retirement eligibility for police officers and improved benefits formulas for both systems," he says.

Changes for the SCRS are:

1. Payment into benefit plans has changed. Members used to pay 4 percent on the first $4,800 earned, then 6 percent on additional income. Now, 6 percent is paid on all income.

2. The formula for determining the amount of retirement checks has changed. Overall, post-retirement benefits have increased by 8 percent-10 percent.

3. The maximum earnings limitation from state or municipal funds after retirement has increased from $8,000 to $9,000.

4. Retirees can now return to state or municipal work for as long as they want without having to rejoin the SCRS. However, maximum earning limitations still apply.

5. If you have 25 years' service credit with the SCRS and decide to work elsewhere, you can continue paying into your retirement account for the next five years or pay a lump sum to remain eligible for full benefits.

6. Merchant Marine service is now considered active duty. Years spent in active duty positions can be purchased as military service credit, thereby reducing the number of years a veteran has to work to receive full retirement benefits.

Changes for the SCPORS are:

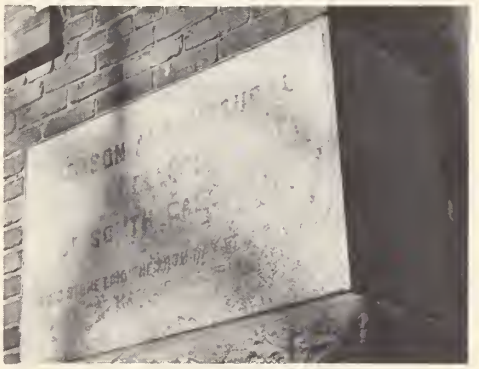
1. Police officers can now retire after 25 years and still receive full benefits. Simmons says legislation for a similar change may be introduced next year for the SCRS.

2. Contributions have been increased to 6.5 percent of salary.

3. The formula for determining retirement benefits increased, resulting in an increase similar to that of the S.C. Retirement System.

4. Changes 4-6 of the SCRS apply to the SCPORS.

For more information on any changes to these retirement systems, call Simmons at 656-3358 or Frances Holliday at 656-3367.



The Centennial Committee is looking for items to go in the Tillman Hall cornerstone time capsule. Find out how you can help on p. 4.

Briefly

Maxwell elected to Commission on Colleges

Provost David Maxwell has been elected to serve as South Carolina's representative on the Commission on Colleges, a unit of the Southern Association of Colleges and Schools.

He will serve on the body's criteria and reports committee.

Chemistry head receives Humboldt Prize

An internationally known fluorine chemist here has been awarded a 1988 Humboldt Prize by the Alexander von Humboldt Foundation.

Chemistry Department Head Darryl D. DesMarteau, who was issued a patent in January for the discovery of a new, highly selective method of fluorinating organic compounds, received the Humboldt award for excellence in research and teaching.

This prestigious award, funded by the West German government, is presented to senior U.S. researchers in the natural sciences and engineering.

The award allows DesMarteau to travel, all expenses paid, to West Germany for six months to work and lecture at various German institutions.

Haque gets national award

A horticulture professor is the recipient of a prestigious national award in horticulture.

Mary Haque was named outstanding undergraduate educator for 1988 recently by the American Society for Horticultural Science at its 85th annual meeting.

The award recognizes distinguished contributions to undergraduate education in horticultural science for 10 or more years.

Haque has been at Clemson for 10 years, during which she has been named "Outstanding Teacher of the Year" in the horticulture department three times.

Personnel Office moves to University Square Mall

If you're looking for the Personnel Office, you won't find it at Gentry Hall anymore.

The Personnel Office has moved down the street from their former headquarters to 106 University Square Mall.

However, their phone number is still 656-2426.

PC expo begins Aug. 31

Those of you interested in personal computers may want to stop by the Palmetto Ballroom Wednesday, Aug. 31, and Thursday, Sept. 1, for the Division of Computing and Information Technology's 4th annual PC Days on Campus showcase.

Representatives from Apple Computer, IBM, Tandy and Zenith will be on hand from 10 a.m. to 4 p.m. each day to demonstrate their latest product lines and to answer any questions you may have. You also can find out what types of hardware and software packages are available to you at discounted prices through DCIT's new Micro Center.

For information, call the Micro Center at 656-3714.

Look for bowling specials

If you've been thinking you'd like to do a little bowling sometime, now's the time to check out the fall semester specials at the University Union games area.

You can bowl for only 75 cents per game (shoes are 25 cents) from 9 a.m. to 2 p.m. every Monday through Friday.

On Fridays from 7 p.m. to closing, the cost is $1 per game for couples and guests bowling on the same lane.

On Saturdays you can rent a lane for $4 per hour.

Sundays are orange-pin days, which means you could end up bowling for free.

For more information, call the Union games area at 656-5838.

Sign up at Fike for softball, Frisbee, cross country

If you're interested in playing softball or ultimate Frisbee Sept. 5, you should sign up Aug. 31 at Fike.

Also, individual cross-country registration begins Aug. 29.

For information, call the intramural sports department at 656-2119 or 656-2309 or go by Room 253 Fike Recreation Center.

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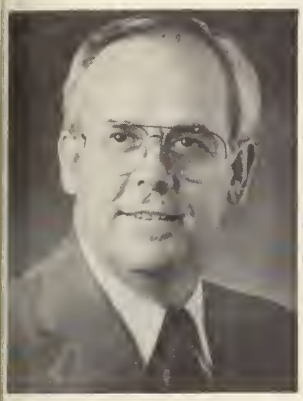
We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is Friday, Aug. 26, for Sept. 7 issue.**



Glen C. Shinn

the new head of agricultural education

Shinn to head agricultural education

A new department head for agricultural education has been appointed following a nationwide search to fill that position.

Glen C. Shinn, a former professor at Mississippi State University with a dual appointment in agricultural extension education and agricultural biological engineering, joins the faculty this month.

At Mississippi State, Shinn won three awards for excellence in teaching at the college level.

He earned his bachelor's degree at Oklahoma State University, and his master's and doctorate at the University of Missouri in Columbia.

Joseph E. "Joe" Cely

the new director of the Florence Extension Office

Cely named director of Florence Extension Office

Joseph E. "Joe" Cely is the new director of the Florence County Extension Office.

In addition, he will assume some agronomic crop responsibilities.

He earned bachelor's and master's degrees from the University of Georgia and Clemson, respectively.

He has served as a county agent in Barnwell County and as an assistant county agent in Greenville, Laurens and Allendale counties.

Micro Center to open

The Division of Computing and Information Technology will open its new Micro Center next Wednesday, Aug. 31, to provide assistance to faculty, staff and students using (or thinking of using) microcomputers.

Located in Poole Computer Center, the Micro Center is a complete microcomputer consulting facility with demonstration equipment and discounted purchase plans.

"We encourage faculty and staff to make use of this service before purchasing a microcomputer or whenever they have questions or problems concerning microcomputers." says Micro Center Coordinator Kathy Hunter.

In addition, Hunter says many microcomputers on the discount purchase programs will be on display at the Micro Center for demonstrations.

The Micro Center will be open from 9 a.m. to 4 p.m., Monday through Friday, and closed during observed University holidays.

For more information, contact the Micro Center at 656-3714.

Northerners wanted

All you transplanted Northerners pay attention: Debra Messick would like to write about you.

Messick, a receptionist in the economics department, is a transplanted Northerner herself. She also is a freelance writer currently working on a book of interviews of Northerners who have been living in the South at least five years.

"I would like to interview 25 to 50 people, possibly even 100," she says. "I would like to get a cross-section of views from men, women and minorities on how they think living in the South is different from living in the North."

If you're interested in talking to her, call her at 656-3481.

Garnett Bradford

the new head of agricultural economics

Bradford named head of agricultural economics

A nationally known expert in production economics and tobacco policy is the new head of the agricultural economics and rural sociology department.

Garnett Bradford, former professor and director of graduate studies in the agricultural economics department at the University of Kentucky, joined Clemson this month.

Prior to his 20-year tenure at Kentucky, Bradford served as instructor and assistant professor in the economics department at North Carolina State University.

He earned bachelor's and master's degrees in agriculture from the University of Kentucky and his doctorate in economics from N. C. State University.

He succeeds Bobby Robinson, who is now associate administrator of the Economic Research Service with the U.S. Department of Agriculture.

The Centennial needs your help!

If you have some ***ideas for items to be included in the Tillman Hall cornerstone time capsule*** when it is replaced next April, the Centennial Committee would like to hear from you. The deadline for submitting suggestions is Nov. 1.

Please take a moment to answer these questions:

1. **WHAT** do **YOU** think Clemson should put in the new time capsule in 1989?

_____

2. **HOW** is it significant to Clemson? (Use space below for comments)

_____

Describe the item. (dimensions? material?)

_____

Do you **own** the item? ☐ yes ☐ no
If not, who would be responsible for donating it to the Centennial Committee?

_____

Additional comments (use another sheet if needed):

_____

_____

_____

_____

Your name: _____

Department: _____

Return to:

Time Capsule Project
c/o Centennial Committee
Office of Undergraduate Studies
209 Sikes Hall

CLEMSON UNIVERSITY CENTENNIAL 1889-1989

Clemson
WEEKLY
Vol. 28, No. 9 Aug. 31, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Parade to kick off First Friday

The University's First Friday festivities kick off Sept. 2. with a parade, a pep rally, the crowning of "Miss First Friday" and a free outdoor concert.

The First Friday Parade begins at 6 p.m. at Thornhill Village and will travel down S.C. 93, ending in the Outdoor Theater. Onlookers will have a chance to see the Clemson cheerleaders, the Rally Cats, Tiger Band, floats and several other marching units.

This year's grand marshal is Life Trustee W.G. DesChamps.

After the parade, a pep rally will be held in the Outdoor Theater, followed by the crowning of "Miss First Friday." Contestants for that title represent campus organizations and are selected by students at a penny per vote. This year's proceeds will be donated to Helping Hands of Clemson.

Following the pep rally, a free rock concert will be held at 8 p.m. in the Outdoor Theater featuring the band Love Tractor of Athens, Ga. The concert is sponsored by University Union's Central Dance and Concert Committee.

This year's celebration is sponsored by the Central Spirit Committee and Pi Kappa Alpha fraternity.

Defensive driving classes scheduled for September

Clemson employees who spend most of their time driving state vehicles can sign up for a second session of state-required defensive driving classes.

Employees whose primary responsibilities include driving must take a class every third year. Those permanently assigned state vehicles must take a class every fourth year. All such employees must take a class within 60 days of employment.

Employees with previous traffic violations who complete the classes can have up to four points restored to their driver's licenses.

The eight-hour classes are free and open to all employees.

Classes will be held in the large conference room in the Facilities Maintenance building (Physical Plant) on Klugh Ave.

Under the S.C. Fleet Safety Program, state employees found at fault in preventable accidents must complete a defensive driving class before being allowed to operate state vehicles again.

The University's new accident review board will recommend appropriate penalties for Clemson employees found at fault, including fines of up to $200.

Other employees required to take the classes before operating state vehicles are those who have:

- accumulated nine or more traffic violation points,
- had two accidents involving state vehicles,
- had three accidents in state or personal vehicles.

To register, call 656-3365.

September's defensive driving classes are:

Class 1 (2 parts)
Monday, Sept. 12
— 1-5 p.m.
Thursday, Sept. 15
— 8 a.m.-noon

Class 2 (1 part)
Tuesday, Sept. 13
— 8 a.m.- 4:30 p.m.

Class 3 (1 part)
Wednesday, Sept. 14
— 8 a.m.- 4:30 p.m.

Class 4 (2 parts)
Monday, Sept. 19
— 1-5 p.m.
Thursday, Sept. 22
— 8 a.m.-noon

Class 5 (1 part)
Tuesday, Sept. 20
— 8 a.m.- 4:30 p.m.

Class 6 (1 part)
Wednesday, Sept. 21
— 8 a.m.- 4:30 p.m.

Briefly

Drop by Sept. 8 for update on desktop publishing

Desktop publishers, listen up.

On Sept. 8, Jerry Devilbiss, system engineer for Apple Computer, will be on campus to present a "Desktop Publishing Update" drop-in.

Sponsored by the Division of Computing and Information Technology, the drop-in will be held from 9 a.m. to 3 p.m. in Room 343 Sirrine Hall.

Union games area hosts 'Centennial bowling'

September is Centennial Bowling Tournament month at the University Union games area.

Come in at your convenience during the month and bowl up to 14 games to achieve a total score of 1889. Trophies will be given.

For more information, call the Union games area at 656-5838.

Aerobics intro class starts tomorrow

If you've been wanting to jump into an aerobics class but you're still a little shy, you might try the Sept. 1 "Introduction to Aerobics" class at Fike instead.

The class will meet from 4:30 to 5:30 p.m. every Tuesday and Thursday in Fike's dance room. The class will run for six weeks and will teach different aerobic exercises to smooth the transition into low- or high-impact classes.

For details, call the intramural sports department at 656-2116.

Two alumni to establish Presidential Scholarship

Two Clemson engineering graduates, Jim and Bill Carter, have made a commitment to establish a Presidential Scholarship here in honor of their father, James Roy Carter Jr., a 1940 Clemson graduate.

A Presidential Scholarship is a full, four-year award worth at least $6,000 annually. An endowment of at least $100,000 is required to establish a Presidential Scholarship.

Cooperative education moves to Hardin Hall

The cooperative education department has a new address.

Its personnel have moved from the University Union to 212 Hardin Hall.

The number is still 656-5109.

Gift endows distinguished professorship

A $500,000 gift from the engineer who led the construction of one of the modern wonders of the world will endow the Sherwood E. Liles Jr. Distinguished Professorship in Construction Engineering.

Income from an endowment established by Liles, retired president of Tidewater Construction Corp. of Norfolk, Va., will support a distinguished professorship in the civil engineering department.

Liles, a native of McColl and a 1927 Clemson graduate, chaired the executive committee of the contractors group that built the $200-million Chesapeake Bay Bridge-Tunnel in Virginia.

The crossing, a 17.6-mile stretch of trestle causeway, man-made islands and steel bridges, is widely considered to be one of the major civil engineering feats of the century.

Publications such as Fortune and Reader's Digest have called the work "one of the five modern wonders of the world."

Liles began working with Tidewater Construction Corp. in 1932, the year it was founded. He became president in 1958 and retired nearly 30 years later at age 80.

Union movie
Thursday-Saturday, Y-Theater, 7 & 9:15 p.m., $1.75. (656-2461)

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Clemson EVENTS

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

September

1-3

Film: **"Three Men and A Baby."** 7 & 9:15 p.m., Y-Theater. $1.75 with University I.D. Sponsored by University Union (656-2461).

2

First Friday Parade. 6 p.m., Highway 93. **Pep rally** follows in Outdoor Theater. **Free concert** at 8 p.m. Sponsored by Central Spirit and Pi Kappa Alpha Fraternity.

Harvey Gantt Dinner. 7:30 p.m., Hyatt Regency, Greenville. Keynote address by Atlanta Mayor Andrew Young. $50. Sponsored by Black Alumni Council (656-2345).

3

Football: **Virginia Tech**, noon, Death Valley (656-2101).

Band: **"Sects".** 9 p.m., Edgars. $2. Sponsored by University Union (656-2461).

4

Film: **"Outland."** 7 and 9:15 p.m., Y-Theater. Free with University I.D. Sponsored by University Union (656-2461).

5-26

Exhibit: **Thomas Green Clemson Collection: 17th-19th Centuries European Masters' Paintings.** Rudolph E. Lee Gallery, Lee Hall. (656-3081).

Exhibit: **Harlan E. McClure,** FAIA, Dean Emeritus, Italian watercolors and sketches. Rudolph E. Lee Gallery, Lee Hall.

6

Film: **"School Daze."** 7 and 9:15 p.m., Y-Theater. $1.75 with University I.D. Sponsored by University Union (656-2461).

7

Last day to order ***diplomas.***

Film: **"Easy Rider."** 7:30 p.m., Y-Theater. $2 with University I.D. Sponsored by University Union (656-2461).

Short Course: **Introduction to Amateur Radio Communications.** 7-8 p.m. $20. Sponsored by University Union (656-2461). (Additional classes will be held Sept. 14, 21, 28.)

9

Band: **"The Elements."** 8:30 p.m., Edgars. $2. Sponsored by University Union (656-2461).

9-10

Film: **"Broadcast News."** 7 and 9:30 p.m., Y-Theater. $1.75 with University I.D. Sponsored by University Union (656-2461).

9-11

Parents' Weekend. Students' parents get a sampling of college life, including attending classes. Sponsored by Alumni Association (656-2345).

9-Dec. 1

Exhibit: **"Scientific First Editions."** Cooper Library. Free. Open during library hours. Sponsored by Cooper Library (656-3031).

10

Football: **Furman**, 1 p.m., Death Valley (656-2101).

will be provided from the West stands at Death Valley to the Clemson Amtrak station and back, and from the Atlanta station to the football stadium and back. Sponsored by Student Centennial Committee (656-3023).

25

Clemson Players production: **"The Dining Room."** 3:30 p.m., 8 p.m., Daniel Annex. Free for students. $2 for faculty and staff. $4 for the public. Sponsored by performing arts department (656-2476).

Film: **"Less Than Zero."** 7 and 9:15 p.m., Y-Theater. Free with University I.D. Sponsored by University Union (656-2461).

26

Lecture: **"Improving Communications Between the Supervisor and the Employee"** by William Morgenroth, nationally known authority on management/employee relations. 3 p.m., Tillman Auditorium. Open to all employees (especially geared toward staff members). Free. Sponsored by Commission on Classified Staff Affairs and Personnel Office (Ray Thompson, 656-3357).

27

Lillian and Robert Utsey Chamber Music Series: **Pianist John Adams.** 8 p.m., Daniel Auditorium. Free. Sponsored by performing arts department (656-3043).

29

Short Course: **Beginning Clogging.** 7-9 p.m. $20. Sponsored by University Union (656-2461).

29-Oct. 1

Film: **"Masquerade."** 7 and 9:25 p.m., Y-Theater. $1.75 with University I.D. Sponsored by University Union (656-2461).

October

2

Film: **"Slapshot."** 7 and 9:30 p.m., Y-Theater. Free with University I.D. Sponsored by University Union (656-2461).

3-24

Visual Arts Faculty Exhibition: paintings by Tom Dimond, Mark Hudson, Robert Hunter and Jon Meyer; sculptures by John Acorn, Terry Jarrard-Dimond, James Stockham and Mike Vatalaro; prints by Sydney Cross and photographs by Sam Wang. Lee Gallery, Lee Hall.

4

Film: **"Guess Who's Coming to Dinner."** 8 p.m., Edgars. $1 with University I.D. Sponsored by University Union (656-2461).

5

Five Directions Cinema: **"Lies My Father Told Me."** 7:30 p.m. in Y-Theater. $2 with University I.D. Sponsored by English department (Mark Charney, 656-3151) and University Union).

Short Course: **Calligraphy.** Classes held 6-8 p.m. $16. Sponsored by University Union (656-2461).

6

Symposium: **"Clemson Agricultural Sciences Centennial Celebration Symposium: Tradition and Vision."** Daniel Auditorium, 8:15 a.m. Free. Sponsored by College of Agricultural Sciences (Shawn DeLong, 656-3863).

Concert Series: **The Eastman Brass.** 8 p.m., Tillman Auditorium. Students free, public $6. Sponsored by performing arts department (656-3043).

Short Course: **Massage for Relaxation.** 7-9:30 p.m. $21.50. Sponsored by University Union (656-2461).

6-8

Film: **"Moonstruck."** 7 and 9:15 p.m. in Y-Theater. $1.75 with University I.D. Sponsored by University Union (656-2461).

Clemson
WEEKLY
Vol. 28, No. 10 Sept. 7, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Lennon presents 1989-90 budget to Commission

On Aug. 30, President Max Lennon presented an $85.7 million University budget request for Educational and General programs for 1989-90 to the S.C. Commission on Higher Education.

Lennon emphasized Clemson's commitment to its top priority, excellence in undergraduate education, as well as to excellence and growth in graduate education.

He also addressed:

- the impact and value of higher education and research to individuals, society and the economy,
- current and future undergraduate, graduate and Cutting Edge programs, and
- additional priorities in 1989-90.

Lennon thanked the Commission for its role in boosting the 1988-89 funding to 93 percent of formula used to determine the state appropriations for each S.C. college and university — up from 88 percent the preceeding year.

Lennon cited examples of improvements and new initiatives made possible through the improved formula funding but stressed that less-than-100 percent funding prevents Clemson from adequately addressing its top priorities and Second Century goals.

Full formula funding of the University's requests for 1989-90 would provide $75.9 million for Clemson's continuing operations.

Among new requests, comprising $9.8 million of the total, were:

- *Faculty Salaries — $2.4 million to adjust to Southeastern averages*
- *Equipment — $1.3 million*
- *Computer Center Equipment — $1.3 million*
- *Engineering Computer Plan — $1.8 million*
- *Engineering Undergraduate Instruction Equipment —$2 million*
- *Preservation of Rare Books — $500,000*
- *Historic Buildings (Calhoun Mansion, Hanover House) — $100,000*
- *Coastal Hazards Advisory and Mitigation Project — $165,000*
- *Use of Shaw Property at Greenville Tech — $150,000*
- *Chas. E. Daniel Center-Genoa, Italy (Architecture) — $6,600*
- *Rent administrative office space — $46,000*

CHE is scheduled to make its final review of agency requests Sept. 8. Commissioner Fred Sheheen will present all the Commission's higher education requests to the Budget and Control Board Sept. 9.

Employee meal cards now available

Now faculty and staff can use declining balance meal cards in campus dining facilities.

A declining balance account lets you pay for meals in advance and subtract their cost each time you use the card. When you use the card, you will know on the spot how much is left in your account. And if you don't use all the money in your account, you will be reimbursed for the remainder.

Meal cards can be used in Edgar's, the Clemson House, Harcombe and Schilletter Dining Halls, the East Campus Convenience Store and the soon-to-open Food Court in Johnstone (formerly the Canteen), says Jeff Hall, director of dining services for ARA.

To get a meal card, go by the main office of Harcome Dining Hall between 8 a.m. and 4:30 p.m. any weekday and open an account with a minimum deposit of $25. The card itself is free.

You can't get meal cards through the mail or over the phone because you'll need to have your picture taken.

For more information, call Jeff Hall at 656-2149.

T.G. Clemson's art collection on display

As part of the Centennial Celebration, the Thomas Green Clemson Collection of oil paintings will be on display in Lee Gallery through Sept. 26.

Along with the Clemson Collection, Italian watercolors and drawings by Dean of Architecture Emeritus Harlan McClure will also be displayed.

Among the works in the Clemson Collection are several 17th-century Dutch genre pieces and 19th-century landscapes. Clemson was himself a talented painter, and an example of his work is included in the exhibition.

All exhibitions in the Rudolph E. Lee Gallery are open to the public at no charge. Hours are Monday - Friday, 9 a.m. - 4:30 p.m., Sunday, 2 - 5 p.m.

Briefly

Peter J. McNulty

the new head of physics and astronomy

McNulty named new head of physics and astronomy

Peter J. McNulty, former professor of physics at Clarkson University in Potsdam, N.Y., has been named the new department head for physics and astronomy following a nationwide search.

Since 1977, McNulty has obtained nearly $1.9 million in research grants. He was senior national research council associate at the Air Force Geophysics Laboratory and was a visiting associate scientist at the Brookhaven National Laboratory.

He earned his bachelor's degree at Fordham University and doctorate at State University of New York at Buffalo.

Computer short courses still available for free

The consulting and technical services department will continue to offer free computer short courses this semester to students, faculty and staff.

Course descriptions and schedules have been sent to departments and are also available at the CTS Help Desk in Poole Computer Center. Schedules also are available through the NAS mainframe or VAX computer systems.

If you're using the NAS mainframe, type SHORT at the READY prompt. If you're using the VAX system, access videotex under the computer information heading.

For more information, call the CTS Help Desk at 656-3494.

Intramurals gearing up

Registration for intramural soccer closes next Wednesday, Sept. 14. Play begins Sept. 19.

Also, if you're interested in playing intramural tennis singles, tennis mixed doubles, three-on-three basketball or water polo, call the intramural sports department at 656-2309.

WHEN meets Sept. 14

The next Women in Higher Education Network (WHEN) meeting will be held next Wednesday, Sept. 14, at noon in the Clemson Golden Corral.

The topic is "Opportunities for Furthering Professional Growth."

For more information, call Cairen Withington at 656-5785.

Apply now for biomedical research grants

The Clemson University Biomedical Research Support Grant Committee is accepting proposals for the use of a $13,612 Biomedical Research Support Grant from the National Institutes of Health.

Proposals may be for any amount up to the grant total in any of the following health-related areas: project support, emerging opportunities and central shared research resources.

Application forms are available from the Office of University Research until Friday, Sept. 23. Awards will be presented Sept. 30.

For more information, call Chris Thurston at 656-2375.

Thomas W. Acker

the new director of the Pickens Extension Office

Acker named director of Pickens Extension Office

Thomas W. Acker has been named director of the Clemson University Extension Service office in Pickens County.

He succeeds Jesse E. (Jake) Barker who retired recently.

As director he will coordinate Clemson Extension programs in agriculture, community and youth development and home economics in Anderson County, supervising a staff of 14.

A native of Anderson County, Acker earned a degree in poultry science here.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Sept. 9, for Sept. 21 issue.**

Faculty beware — students start slumping now

Faculty know what studies show — now is when college students tend to experience the first of three academic slumps during the school year.

Psychologist Judith Haislett, director of the Counseling and Career Planning Center, says this third week of school can be a tough one.

"Now is when students, especially freshmen, are just beginning to realize the amount of work ahead of them," says Haislett. "Also, they are realizing that they should already be well into their study routines and not just starting to bear down."

When it comes to helping students get back on track, Haislett says faculty are an important part of the cure. So, if you have slumping students, you might try some of these ideas:

- Say a few encouraging words to your classes about the amount of work you are requiring. Remember, you have devised a challenging course of study and so have five other professors!
- Give a few practice quizzes that won't count for credit just to let students see that they can do the work, or else they had better get started.
- Remind students of large projects you have assigned and tell them how far along they should be with them at this point in the semester.
- Repeat and clarify all directions for assignments, writing them out when possible. People under stress generally don't listen well, especially to things they believe will increase their workload.

"Faculty probably have dealt with these slumps as much as anyone," she says. "By encouraging students, giving them feedback on how they are doing and exercising a little patience, faculty can spare their students a lot of needless self-doubt and worry."

As for the other two academic slump periods, Haislett says the second one can be expected around late October when midterm grades become a reality. The final slump usually occurs in mid-January.

"The demands on students are high, and losing their perspective is usually all that is wrong," she says. "The staff at the Counseling and Career Planning Center can provide someone to coach students on new ways to think and cope, which in turn should help them improve academically," she says.

General to speak on U.S. defense

Brigadier Gen. John R. Allen Jr., vice commander of the Sacramento Air Logistics Center at McClellan Air Force Base, Calif., will lecture Thursday, Sept. 8, at 3:30 p.m. in Tillman Hall Auditorium on "U.S. Defense Posture: Increasing Commitments, Decreasing Resources."

His lecture, which is open to the public at no charge, is cosponsored by the Strom Thurmond Institute and the department of aerospace studies.

National builders group turns to Clemson

The University and Associated Builders and Contractors (ABC), a 20,000-member national organization for the construction industry, have entered into an agreement for Clemson to conduct ABC's management and supervisory education programs.

Clemson's building science department, in the College of Architecture, will provide facilities, consultation, administrative support and faculty for training programs for construction managers, project managers, and supervisors.

The plan calls for most of the core programs to be in place by 1990. The Washington, D.C.-based ABC will eventually install a management staff on campus to manage the daily operation of the programs and is studying the feasibility of building an education and research facility at Clemson to house the program.

Order Centennial edition of Taps now

If you want a special Centennial issue of Taps, don't put it off. The student yearbook is expecting a record demand for its 1989 edition, which features an extra 100 pages devoted to the Centennial Celebration.

The cost of this year's edition is $25.

Also, Taps will include group photos of any University department or organization this year. However, if your group is planning to do this you should let Taps know now because the actual photography will be done between Sept. 19 and Oct. 7.

Special copies for departments will be available.

For more information, call Taps Editor-in-Chief Richard Baldwin at 656-2380 or Director of Student Development Programs Kirk Brague at 656-5991.

Are computer viruses fact or fiction?

**by Drew Smith,
manager of consulting,
Division of Computing and
Information Technology**

Computers, like people, can get sick, too. True or false?

True, oddly enough. Except when computers get sick, their users also suffer.

Frightening new "diseases," called computer viruses, are spreading among the thousands of beneficial computer programs on the market today — diseases which can cripple, and even disable, many computer systems.

What are computer viruses?

Basically, computer viruses are programs which literally "infect" computers of any size, ranging from microcomputers to mainframes.

Usually computer viruses are created by anonymous programmers for their own mischievous purposes. The viruses are unusual among most computer programs in that their primary function is to reproduce and spread throughout various computer systems.

However, such viruses are not always harmless. They may display unwanted graphics and text on computer screens, slow down computers' central processing units or even destroy all related computer files.

For example, during the 1987 Christmas season, a mainframe-based virus infected IBM's internal corporate computer network, displaying Christmas trees on virtually every computer screen. Such a seemingly harmless prank, considered amusing at first, overloaded IBM's electronic mail pathways, forcing a temporary system shutdown of its worldwide computer network.

Art by Dale Cochran

In another example, personal computers in Israel were sabotaged by a computer virus which once a month caused systems to operate at one-tenth their normal speed.

Like their medical counterparts, systems analysts continue to research potential cures, however most computer viruses, once contracted, usually prove difficult if not almost impossible to kill.

As a response to the outbreak of such viruses, Apple Computers has developed a software package entitled "VirusRx" to detect the presence of any known virus in your computer system. The program will be available to users through most Apple dealers, AppleLink and 15 users-group bulletin boards.

Be aware

If you are a microcomputer user, you should be aware of the following:

- *You are not at risk if you wrote all the software used on your machine* (although most people don't).
- *You are at very minimal risk if you purchase commercially available software* (most users fall into this category).
- *You are at greater risk if you obtain software by copying public domain programs from commercial networks, or by exchanging public domain programs with friends* (public domain software is any software that does not require you to purchase the rights to use it).

Is Clemson at risk?

Viruses do not infect larger computer systems easily, since those systems usually are better protected than are microcomputers.

Also, software among large computer systems is not exchanged in the same way as among microcomputers. Therefore, it is highly unlikely that Clemson's NAS or VAX users will be troubled by such viruses.

However, if you use Macintoshes or IBM PCs (and their clones), you should be very careful. It is extremely tempting to copy software from friends or from large computer networks. However, you may get more than you bargained for by taking such shortcuts.

Some helpful suggestions

- *Use commercially purchased software whenever possible.*
- *Read and keep informed about viruses which may affect your particular microcomputer.*
- *If you suspect that a piece of software has been downloaded from an infected computer network, notify your system operator immediately.*

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Lectures highlight Centennial 'Sciences' theme

An internationally known chemical engineer with a background in coal mining, amateur boxing and Shakespearean acting — not to mention consulting for three U.S. presidents on energy and environmental matters — will deliver this year's President's Honors Lecture Sept. 19.

John J. McKetta, who holds the Joe C. Walter Chair at the University of Texas, will speak in Lyles Auditorium on "The Brilliant Future of Man into the 21st Century: The University and the World of Science in the 21st Century."

John J. McKetta

he will give three Centennial lectures Sept. 19-20

His 8 p.m. address combines a historical perspective on scientific accomplishments with fantastic predictions of advances in transportation, energy, medicine and industry during the next century.

McKetta also will speak:

• Sept. 19 on "The U.S. Energy Picture Today and in the Early 2000s" at 2:30 p.m. in Earle Hall Auditorium and

• Sept. 20 on "Acid Rain: What is the Real Story?" at 2:30 p.m. in McAdams Auditorium.

The lectures are free and open to the public, and are sponsored by the Calhoun College Honors Program, the Centennial Committee and the College of Engineering.

Duke Power, employees to give $1.4 million

The Duke Power Co. Foundation and the utility's employees have raised $1.2 million toward a goal of $1.4 million for Clemson academic programs related to electric power.

Gifts and pledges already include a $500,000 commitment from the Duke Power Co. Foundation, which is to be made over a five-year period. The donation is the largest single gift ever made by the foundation.

In addition, the company will match employee contributions up to $6,000 annually per employee.

The foundation's charitable contributions are funded exclusively by Duke's shareholders.

Also, Clemson alumni and friends employed by Duke have pledged another $500,000. Duke will match those gifts with more than $430,000.

To date, employee giving totals $378,400, with Duke adding $311,400 in matching funds.

Employee gifts will endow a Distinguished Professorship in engineering and provide scholarships in technical areas of study.

Duke's corporate gift will endow a second professorship, The Duke Power Distinguished Professorship of Power Engineering in the electrical and computer engineering department.

About 550 Clemson graduates work for Duke, one of the top five employers of Clemson alumni.

It's not too late to catch "An Evening with Jerry Clower" Friday, Sept. 16, at 8 p.m. in Tillman Auditorium.

Tickets for the Yazoo City comedian are available at the University Union Box Office in Johnstone Hall. Cost is $8 for faculty, staff and the public; $6 for students and senior citizens.

Clower's performance is part of the Union's Performing Artist Series.

For more information, call 656-2461.

Jerry Clower

Briefly

Deborah B. DuBose

the new director of Alumni Relations

New Alumni director to start Oct. 4

A woman with 13 years of experience in program management and public relations will become the head of the University's alumni relations office Oct. 4.

Deborah B. DuBose, a 1975 Clemson graduate, has been appointed associate vice president for alumni relations and executive director of the Clemson Alumni Association.

She was selected for the post following a national search begun during the spring. She was the unanimous choice of a search committee that included members of Clemson's Alumni National Council, Student Alumni Council and Council of Deans.

DuBose currently coordinates the activities of the personnel, document control, budget and finance, and word processing units at Duke Power Co.'s Oconee Nuclear Station.

She succeeds George Moore, who stepped down from the post in June.

New math lab aids students

A new $65,000 lab in the mathematical sciences department will streamline the way basic math students take tests and get their grades.

The lab, equipped with 38 computers, is set up to allow students to take tests and get their grades immediately in order to seek prompt tutoring if needed.

Clemson is one of two universities nationwide to establish such a lab, which will serve about 900 students. The software also is used at he University of Georgia.

Board the Express for Georgia Tech

If you can get up early Saturday, Sept. 24, you can tailgate all the way to Atlanta with other Clemson fans on the Centennial Express.

The special Centennial train ride to the Clemson-Georgia Tech football game begins at 6 a.m. in Death Valley's west parking lot.

From there, the University will transport you to the Clemson train station. The Express leaves Clemson at 7 a.m. and will arrive in Atlanta around 10:30 a.m. In Atlanta, MARTA buses will carry you to and from the game. The Express will leave Atlanta for Clemson at 5 p.m., and you will be transported back to Death Valley upon arrival.

Express tickets for faculty, staff and the public are $150 and include first-class accommodations with a continental breakfast, a post-game snack and other refreshments in the train's antique bar cars. *Express tickets do not, however, include game tickets.* All seats will be sold in groups of two or four.

The deadline for ordering is Saturday, Sept. 17.

To purchase tickets, send a check (made out to Clemson University Centennial Express) to Centennial Express, 209 Sikes Hall. For details, call 656-3023.

Mechanical engineering sponsors fall seminars

The mechanical engineering department kicks off its fall seminar series Friday, Sept. 16, with a lecture by Professor Ampere Tseng of Drexel University in Philadelphia.

He will speak on "Computer-aided Forming for Miniature Parts" at 2:30 p.m. in Room 300 Riggs Hall.

For more information, call Imtiaz Haque at 656-5628

It's getting time to apply for make-up scholarships

Undergraduates planning to apply for 1988-89 make-up schol-

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arships need to apply in the Financial Aid Office (G-01 Sikes Hall) by Nov. 1.

Students who previously applied for scholarships this past March will automatically be considered and need not reapply.

To make sure students have previously applied, call the Financial Aid Office at 656-2280.

To be considered for need-related scholarships, a Financial Aid Form must be submitted by Oct. 1 to allow ample time for processing. Students who have a current Financial Aid Form on file are not required to resubmit.

Grant to help chemist find CFC replacements

In the wake of U.S. Environmental Protection Agency demands that industries cut back production of chlorofluorocarbons (CFCs) by 50 percent, a chemistry professor has received a new grant that will allow him to research possible CFC substitutes.

Darryl D. DesMarteau, professor and department head of chemistry, will use the initial 2-year funding of $220,000 from the EPA and Electrical Power Research Institute to study possible alternatives for the presently used CFCs.

Chlorfluorocarbons are the chemicals being blamed for eroding the Earth's protective ozone layer which protects the planet from the sun's radioactive rays. CFCs are used in an estimated 100 million refrigerators, 45 million building air conditioners, 90 million car and truck air conditioners and in plastic foams and as solvents.

DesMarteau says his research, which will extend over a period of three years, will concentrate on propane derivatives and alternatives for presently used halons, the chemicals used in some fire extinguishers.

Clemson art collection on display in Lee Gallery

As part of the Centennial Celebration, the Thomas Green Clemson Collection of oil paintings will be on display in the Rudolph E. Lee Gallery in Lee Hall through Sept. 26.

Along with the Clemson Collection, Italian watercolors and drawings by Dean of Architecture Emeritus Harlan McClure will also be displayed.

As Charge d'Affairs to the court of Leopold I of Belgium (1844-1852), University founder Thomas Green Clemson began a collection of European oil paintings done by artists such as Thomas Fernley, Cornelius Schut and Daniel Seghers.

Among the works in the Clemson Collection are a small oil-on-copper "Adoration" scene from the early 1600s, several 17th-century Dutch genre pieces, and 19th-century landscapes.

Clemson was also a talented painter himself, and an example of his work is included in the exhibition.

All exhibitions in the Rudolph E. Lee Gallery are open to the public at no charge. Hours are Monday - Friday, 9 a.m. - 4:30 p.m., Sunday, 2 - 5 p.m.

For more information, call Jon Meyer at 656-3883.

Nursing Center offers health risk testing

The Nursing Center, located in Room 101 Nursing Building, will sponsor a program this fall to help faculty and staff determine their personal health risks.

The Oct. 3-14 program will provide a cardiac risk profile, blood pressure determination, body fat analysis and a new computerized Health Risk Appraisal just released by the Carter Center of Emory University.

The cardiac risk profile includes testing for total cholesterol level, low density lipid (LDL), high density lipid (HDL), cardiac risk ratio, triglycerides and fasting blood sugar.

Participants found to be at risk may receive help through the Nursing Center's risk-reduction plan. Tests will be repeated in three months. Participants with abnormal lab work or blood pressures will be referred to private physicians.

Registration is Sept. 26-30. The cost is $30 for one series of tests; $45 for two. Costs include lab work fees.

For details, call 656-3076.

Clemson Newsmakers

As a tie-in to the upcoming Olympic Games in Seoul, South Korea, ceramic engineering Assistant Professor Burt Lee, a native of South Korea, is scheduled to have an opinion piece in the *Baltimore Sun* later this week on the media's portrayal of his homeland. The column may also be distributed to members of the *Sun*'s national wire service.

'Marsgaze' with astronomers Sept. 16-17 at Y-Beach

Our neighboring planet Mars makes a special appearance in the night sky this week, and the Clemson Area Amateur Astronomers are planning a public viewing for the occasion.

Interested stargazers will get an opportunity to view the planet through telescopes Sept. 16-17 at Y-Beach, says Phil Flower, associate professor of astronomy.

"We don't get this opportunity very often. Mars only comes this close every 17 years," he says.

Barring bad weather, viewing will begin about 8 p.m. both nights, Flower says. The astronomers club expects to have 10-20 telescopes available.

The planet will easily be visible after midnight during clear weather and will appear in the Southeast portion of the sky. The planet will rise earlier and earlier throughout the month.

Mars is Earth's closest neighboring planet and the fourth planet from the sun. It appears as a bright reddish star to the naked eye.

Sept. 19 meeting to help employees improve their educations

On Monday, Sept. 19, University employees can find out how they can further their educations at no cost through the educational improvement program.

A "get-started" meeting will be held at 10:30 a.m. in Room 317 Tillman Hall. The program is free and will cover four education levels:

Level 1 — literacy training for those testing on a pre-third grade level (personal instructors are provided for each student at this level),

Level 2 — basic literacy instruction for those testing on a 3rd-6th grade level,

Level 3 — pre-General Education Degree (GED) training for those testing on a junior high school level,

Level 4 — GED training for those testing on a high school level.

"This is a tremendous opportunity for the University to invest in its own people, and we are once again urging all supervisors to help their employees improve their educations," says Personnel Director Ray Thompson.

"Last year, thanks to outstanding supervisor support, we had 58 people participate, with about15 earning their high school GEDs. Since then, several of these employees have gone on to receive substantial promotions," he says.

The program can take up to two hours per week, so employees should check with their supervisors before planning to attend, says Thompson.

The program is sponsored by the Personnel Office and the Pickens County Adult Education Program.

For more information, call 656-2426.

Players comedy looks at dining rooms

Seven Clemson Players portray a total of 57 characters in an upcoming comedy about life around America's dinner tables.

In their first production of the 1988-89 school year, the Players will present performances of "The Dining Room" Sept. 16-17 and Sept. 20-25.

The play is a wistful look at a fast-disappearing part of Americana, spanning dinner-table discussions from the 1930s to the 1980s.

"Dinner-table discussions are something to which we all can relate, so I think the audience will be able to see a little of themselves in these characters," says Richard Nichols, head of the performing arts department.

All performances will be at 8 p.m. in Daniel Annex. Additional matinees will be held at 3:30 p.m. Thursday, Sept. 22, and Sunday, Sept. 25.

Tickets are $2 for faculty and staff and $4 for the public. Students are admitted free with University IDs.

For tickets, go by the Clemson Players Box Office (in front of Daniel Hall) 1-5 p.m. weekdays or call 656-2476.

Sexual victimization to be discussed in Sept. 22 symposium

A symposium on sexual victimization will be held Thursday, Sept. 22, in Daniel Auditorium.

Starting at 9:30 a.m., Robert Freeman-Longo, director of the Sexual Offender Treatment Unit in Salem, Ore., will speak on "Treating Sexual Offenders."

At 11 a.m., a panel discussion will feature Freeman-Longo, 13th Circuit Solicitor Joseph J. Watson, campus Crime Prevention Officer Thea McCrary and Associate Professors of Sociology Kinly Sturkie and Brenda J. Vander Mey.

The symposium is sponsored by the College of Liberal Arts, the Women's Studies Committee and the sociology department.

For more information, call Brenda Vander Mey at 656-3238.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Employee relations authority to speak Sept. 26

A man of many hats who just happens to be a nationally known authority on manager-employee relations will speak Monday, Sept. 26, at 3 p.m. in Tillman Auditorium.

William Morgenroth, former wrestler, Navy man, spy, federal agent, methods engineer and one-time business professor at the University of South Carolina, will speak on "Improving Communications Between the Supervisor and the Employee."

The free lecture is open to all employees but is especially geared for staff.

The lecture is sponsored by the Commission on Classified Staff Affairs and the Personnel Office. For details, call 656-2426.

Clemson offered island property for tropical research center

Clemson research may be expanding further into the international spectrum, thanks to the offer of a gift of rain forest property on the Caribbean island of Dominica.

The 230-acre plot of land and accompanying buildings, valued between $1.5 million and $2 million, are to be donated this year to Clemson by landowner John D. Archbold, a resident of Virginia.

The property will serve as the geographical base for the John D. Archbold Center for Tropical Studies, pending approval by the S.C. Commission on Higher Education, the S.C. Budget and Control Board and the General Assembly's Joint Appropriations Review Committee.

The gift includes an estate boasting a plantation house used as a hotel, plus three additional buildings and acreage standing some 1,200 feet above sea level.

"Research opportunities on Dominica for Clemson are limitless," says President Max Lennon.

"This is an opportunity for us to enhance, for instance, our understanding of the complex science of biotechnology and its applications in agriculture and forestry."

Tropical rain forests are ecologically priceless for research purposes, says Lennon, because they contain many unclassified plant varieties with unknown genetic structures of phenomenal potential.

"We are looking at a gene pool that could open up all sorts of new research opportunities to protect and expand the world's food supply," he says.

"Since only 22 plant species supply approximately 90 percent of the world's food, genes from tropical plants will at some point play a key role in strengthening and augmenting our more important food plants."

Other possible research projects include studies in ecology, resource management, economic development, parks and tourism management and environmental engineering.

Clemson is forming a consortium to conduct research projects on the island. The Smithsonian Institution, Texas A&M University, Syracuse University and the U.S. Forest Service have signed on as members.

New department aids compensation, classification

Those of you interested in how much money you take home each week will be interested in the new wage and salary administration department.

It has been formed to "promote equity and competitive salary levels for all employees at Clemson," says director Juliette Dais.

"We will provide technical assistance to the University on job classification, compensation, occupational/labor market employee research and employee productivity."

Dais says the department was formerly part of the Personnel Office but has been expanded to concentrate more on personnel research, which will support various pilot programs to enhance faculty and staff compensation.

In addition, the department will conduct more comprehensive occupational studies for local, regional and national salary surveys.

Michalann Greenway is the new manager of the department's personnel research unit. Fran Massey is the department's new classification and compensation manager.

For information regarding salary classification or compensation, call the department at 656-2723.

Briefly

Pianist to perform Sept. 27

Pianist John Adams kicks off this season's Lillian and Robert Utsey Chamber Music Series Sept. 27 with an 8 p.m. performance in Daniel Hall Auditorium.

Adams will perform a "piano portrait" entitled "Claude Debussy: Imagery and Sound Perfected."

The performance is free. A reception will follow.

The event is sponsored by the performing arts department. For details, call 656-3043.

Strength coach on call

The physical training and intramural sports department has a strength and conditioning advisor on duty at Fike Recreation Center three days a week: Mondays from 5-8 p.m.; Wednesdays from 4-8 p.m., and Thursdays from 5:30-8 p.m.

Strength Training Advisor John Bass will be available to counsel individuals on strength training programs, to demonstrate proper use of equipment and to answer any questions.

For details, call 656-2117.

College of Sciences names associate deans

Two new associate deans have been named in the College of Sciences.

Doris Helms, former head of the biology program, is now associate dean for undergraduate instruction.

Lewis Duncan, associate professor of physics, has been appointed associate dean for research and graduate education.

Helms helped implement the University's Center for Excellence in Mathematics and Science Education, established to upgrade the quality of math and science teaching in state school systems.

She holds a national appointment as chief reader in advanced placement biology for the Education Testing Service, supervising the grading of certain sections of advanced placement examinations and setting the cut-off score for advanced placement credit.

Duncan replaces John Petersen who has returned to full-time teaching and research in the chemistry department.

Duncan is a specialist in high-power radio wave propagation and space plasma physics.

As a Carnegie Science Fellow, he spent last year at Stanford University's Center for International Security and Arms Control, researching arms control, strategic policy development and verification technologies.

Dean heads task force to study soil's lead content

As the U.S. Environmental Protection Agency seeks more stringent regulations to reduce the amount of lead in drinking water, a University dean is carefully studying the problem of lead in soil.

Bobby Wixson, dean of the College of Sciences, has been appointed head of the U.S. Task Force on Lead in Soil under the auspices of the Society for Environmental Geochemistry and Health (SEGH).

"There are absolutely no standards by which to evaluate the amount of lead in soil, so we're looking at this as a hazardous waste and public health concern in order to help the EPA develop some guidelines," says Wixson.

The task force is composed of university researchers, medical professionals and industry officials from the United States, Canada and Great Britain.

Applications due Nov. 11 for University research grants

Applications for University research grants should be returned to the Office of University Research (E-102 Martin Hall) by Nov. 11.

The University research grant committee accepts applications from faculty holding tenure/tenure track positions with titles of assistant professor, associate professor or professor and the equivalent library faculty ranks.

The committee makes awards to new faculty, to faculty redirecting research interests and to faculty in areas where research support is inadequate or nonexistent.

For details, call 656-2375.

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Director, News Services .....Catherine Sams

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Centennial agriculture symposium set for Oct. 6

A symposium highlighting tradition and vision in agriculture is scheduled for Thursday, Oct. 6, as a part of the University's Centennial Celebration.

The program starts at 8:15 a.m. in Daniel Auditorium and features four speakers:

—David P. Snyder, lifestyles editor of "The Futurist" magazine and a pioneer social forecaster, will speak on 'Future Forces in American Agriculture."

—Robert E. Evenson, an economics professor at Yale University, will address "Challenges Facing Agriculture Research." He is an expert in the organization and operation of research and extension programs.

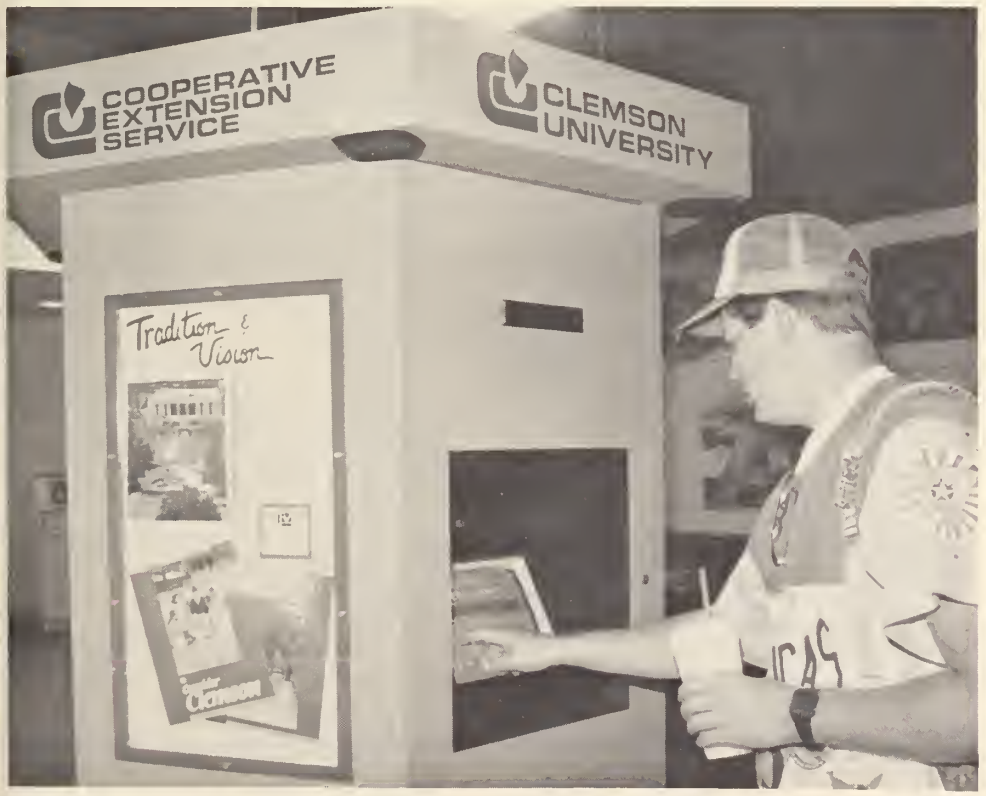
—Russel G. Mawby, chairman of the board and chief executive officer of the W.K. Kellogg Foundation, will speak on, "Public Service and the Land Grant University."

—James H. Anderson, vice provost and dean of Michigan State University's College of Agriculture and Natural Resources, will speak on "Challenges and Opportunities in Higher Education." At Michigan State he is responsible for administering the teaching, research, extension and international programs.

The symposium, sponsored by the College of Agricultural Sciences, is free and open to all employees.

For more information, call Shawn DeLong at 656-3863.

Talking kiosk gives free user-friendly advice



Clemson student Michael Few of Greer samples information from Extension's talking kiosk in the Agricultural Sales Center in Newman Hall.

The next time you stop by the Agricultural Sales Center in Newman Hall, check out the talking kiosk.

The new kiosk houses an interactive video information delivery system created by Clemson's Extension Service.

That means you can touch the screen and get timely information on such subjects as how to replace a switch on a lamp, how to get a lawn started or how to communicate with your teen-ager.

You can even get a printout of the information when you're done.

Other faces of the six-sided kiosk display Extension photographs, graphics, leaflets and reports.

The side opposite the touch-sensitive screen contains a television that shows a continuously repeating video tape from a VCR.

The system was set up by the agricultural communications and horticulture departments.

Staff Commission proposes scholarship plan

At its September meeting, the Commission on Classified Staff Affairs endorsed a resolution to sponsor a scholarship drive for children and grandchildren of classified employees.

"This is the Commission's way of helping classified employees meet the rising costs of higher education," said Commission Chairman John Clemens.

Clemens is meeting with University officials to determine exactly how and when the plan can be put into action.

Under the Commission's scholarship plan, classified employees would be able to donate money through payroll deductions or one-time donations. Applicants would be required to meet University admissions requirements.

The Commission also heard a presentation by Assistant Personnel Director Dick Simmons summarizing recent state legislative action affecting leave and retirement systems.

Major changes are:

- The term "immediate family" now includes an employee and spouse, plus their children, parents, legal guardians, or any grandchildren living with and responsible to the employee,
- A system for transferring sick or annual leave to other employees has been approved and will be presented to the state Budget and Control Board in October. The system could be in effect by January; however, a University system for managing the program must be established first.

Other changes:

- Protect "whistle-blowers" against unfair actions
- Expand an employee's "appeal window" following a grievance board's decision
- Formalize Workers Compensation benefit options
- Formalize the process for reviewing Legislative Audit Council recommendations.

The Commission's next meeting will be Oct. 11 at 10 a.m. in 113 Lehotsky Hall.

Briefly

CTS offers typesetting

Typesetting services for University-related publications are now available through the consulting and technical services department.

More than 50 type styles are available with type sizes ranging from 5- to 94-points. Copy also can be enlarged or reduced.

Output can be produced from a number of sources including Macintosh files, PostScript files, or, for an additional charge, typewritten copy.

For more information or to set up an appointment, call Pam Purcell at 656-3713 or drop by the CTS Help Desk at Poole Computer Center.

$140,000 grant to aid minority recruitment

In the third and final year of a state-sponsored desegregation plan, the University has received $140,000 in matching grant money to assist minorities who have successfully proven their ability to do college-level work.

For the 1988-89 academic year, the S.C. Legislature, through the Commission on Higher Education, has awarded Clemson $140,000 in minority grant funding. The University must match each $2 of grant money with $1 from other sources.

"The objective of the program is to increase minority enrollment and provide incentives for students to continue their educations and complete their degrees, says Financial Aid Director Marvin Carmichael.

This year 140 minority undergraduates — 28 freshmen and 112 upperclassmen —received one-year $1,000 stipends, as compared with only 24 last year.

Professional Secretaries to meet Oct. 10

Professional Secretaries International will meet Oct. 10 at 5 p.m. in the Clemson Golden Corral.

Pat Padgett, chairperson of the University Child Care Committee, will speak on the University's child care survey.

For more information, call Sandra Davis at 656-2330.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Sept. 30, for Oct. 12 issue.**

Clemson
EVENTS
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

October

1

Union short course:
Scuba Diving. 7-9 p.m., $195. (656-2461).

Student government (leaders) workshop.

2

Union film:
"Slapshot." 7 and 9:30 p.m., Y-Theater, free with University I.D. (656-2461).

Union concert:
Hank Williams Jr. and Tanya Tucker. 7:30 p.m., Littlejohn Coliseum, $16.75. (656-2461).

3

Architecture lecture:
"Recent Work " by Yoshinobu Ashihara. 8 p.m., Lyles Auditorium. Reception follows. Sponsored by Clemson Architectural Foundation (656-3081).

3-24

Exhibit:
Visual Arts Faculty Exhibition. paintings by Tom Dimond, Mark Hudson, Robert Hunter and Jon Meyer; **sculpture** by John Acorn, Terry Jarrard-Dimond, James Stockham and Mike Vatalaro; **prints** by Sydney Cross and **photographs** by Sam Wang. Lee Gallery (656-3081).

4

Union film:
"Guess Who's Coming to Dinner?" 8 p.m., Edgars, $1 with University I.D. (656-2461).

5

Union short course:
Introduction to Amateur Radio Communications. 7-8 p.m., $20. (656-2461).

Five Directions Cinema:
"Lies My Father Told Me." 7:30 p.m., Y-Theater, $2 with University I.D. Sponsored by English dept. and University Union (656-2461).

6

Symposium:
"Clemson Agricultural Sciences Centennial Celebration Symposium: Tradition and Vision." Daniel Auditorium, 8:15 a.m., free. Sponsored by College of Agricultural Sciences (Shawn DeLong, 656-3863).

Speakers —

David Snyder, futurist — "Future Forces in American Agriculture" at 8:30 a.m.

Robert Evenson, professor of economics at Yale University — "Challenges Facing Agricultural Research" at 10:30 a.m.

Russell Mawby, CEO of Kellogg Foundation — "Public Service and the Land-Grant University" at 1:15 p.m.

James H. Anderson, vice provost and dean, College of Agriculture and Natural Resources, Michigan State University, — "Challenges and Opportunities in Higher Education" at 2:30 p.m.

Performing Arts Concert Series:
The Eastman Brass. 8 p.m., Tillman Hall Auditorium, students free, public $6. (656-2476).

Union short course:
Beginning Clogging. 7-9 p.m., $20. (656-2461).

Union short course:
Massage for Relaxation. 7-9:30 p.m., $21.50. (656-2461). (Additional class held Oct. 13).

6-8

Union film:
"Moonstruck." 7 and 9:15 p.m., Y-Theater, $1.75 with University I.D. (656-2461).

Send calendar items to:
Master Calendar,
News Services,
Trustee House

7

Mechanical engineering seminar:
"Applications of Enhanced Heat Transfer in the Process Industry," by T.M. Rudy, Exxon Research & Development Co. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

Union concert:
Comedian and keyboardist Carl Rosen. Union Plaza, free. (656-2461).

8

Symposium:
Children's Literature Symposium. 8:45 a.m., Daniel Hall Auditorium, $10 registration fee, $10 lunch ticket. Sponsored by College of Liberal Arts and English dept. (Barbara Ramirez, 656-5382).

Union special event:
"We Can Make You Laugh." 9 p.m., Edgar's, $2. (656-2461).

Union special event:
"Run In The Sun." 1.5-2-mile run around campus (656-2461).

Football:
Virginia, away (656-2101).

9

Union film:
"War of the Worlds." 7 and 9:15 p.m., Y-Theater, free with University I.D. (656-2461).

Ecumenical Service:
"A Celebration of Religious Life at Clemson University 1889-1989." Tillman Hall Auditorium, 2 p.m., free. Sponsored by Town/Gown Committee.

10

Southern Circuit Film Series:
"Ganapati/A Spirit in the Bush." 8 p.m., Y-Theater, free with University I.D. Sponsored by English dept. (656-3151) and College of Architecture.

Preliminary grades due.

Architecture lecture:
"Kent State University Vietnam Memorial" by Bruno Ast. 8 p.m., Lyles Auditorium. Reception follows. Sponsored by Clemson Architectural Foundation (656-3081).

12

Union short course:
Calligraphy. 6-8 p.m., $16. (656-2461).

Meeting:
Women in Higher Education Network. noon, Clemson Ramada Inn (Kairen Withington, 656-5785).

13

Union short course:
The Total Woman — Skin Care, Glamour and Color Analysis. 6:30-9:30 p.m. $5. (656-2461).

Union short course:
Massage for Relaxation. 7-9:30 p.m., $21.50. (656-2461).

Meeting:
Black Faculty and Staff Association. 7 p.m., 300 Sikes Hall. (Cynthia Robinson, 656-5826).

13-15

Union film:
"The Princess Bride." 7 and 9:15 p.m., Y-Theater, $1.75 with University I.D. (656-2461).

14

Mechanical engineering seminar:
"Review of Cooling Technology for Large-Scale Computers," by Richard Chu, IBM Corporation. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

Homecoming event:
Tigerama — "2088: The Next 100 Years." Death Valley. Sponsored by Blue Key and WSBF (656-2279).

15

Football (Homecoming):
Duke, Death Valley (656-2101).

15-21

National Collegiate Alcohol Awareness Week.

16

Union film:
"Nothing In Common." 7 and 9:15 p.m., Y-Theater, free with University I.D. (656-2461).

Special event:
"Idlewilde at the Botanical Garden." 1 p.m. to dusk, free. Includes arts, crafts, music, storytelling and more. Sponsored by Botanical Garden (David Bradshaw, 656-4949).

17

Student Development lecture:
"Alcohol Awareness," by Susan Newman, chairperson of the Scott Newman Foundation. 7:30 p.m., Daniel Hall Auditorium. (Cheryl Funderburk, 656-2155).

18

Union Performing Artist Series:
"Macbeth," presented by the North Carolina Shakespeare Festival. 8 p.m., Tillman Hall Auditorium. $6 for students and senior citizens, $8 for the public, seats reserved. (656-2461).

Union lecture:
"Music of the 1960s" by guitarist Barry Drake. 8 p.m., Edgar's, free. (656-2461).

Union short course:
Table Tennis. 6-8 p.m., $25. (656-2461). (Additional classes will be held Oct. 20, 25, 27).

19

Union concert:
Guitarist Barry Drake. 8 p.m., Edgar's, $2. (656-2461).

19-21

Thurmond Institute conference:
"Volunteerism." Beach Cove, Myrtle Beach. Sponsored by the Governor's Office, the S.C. Association for Volunteer Administration and the Strom Thurmond Institute (656-4700).

20-22

Union film:
"Shoot to Kill." 7 and 9:15 p.m., Y-Theater, $1.75 with University I.D. (656-2461).

21

Mechanical engineering seminar:
"Solidification of Non-metals and Metals," by Raymond Viskanta, Purdue University. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

Union concert:
"Mr. Resistor." 9 p.m., Edgar's, $2. (656-2461).

22

Football:
North Carolina State, away (656-2101).

Union trip:
Rock-climbing trip to Chimney Rock, N.C. (656-2461).

23

Union film:
"The Hidden." 7 and 9:15 p.m., Y-Theater, free with University I.D. (656-2461).

24

Southern Circuit Film Series:
"Are We Winning, Mommy? America and the Cold War," by Barbara Margolis. 8 p.m., Y-Theater, free. English dept. (Carol Ward, 656-5415) and College of Architecture.

Last day to withdraw from class or the University without final grades.

26

Performing Arts Concert Series:
Soprano Beverly Hoch. 8 p.m., Tillman Hall Auditorium. Students free, public $6. (656-2476).

Union double feature:
"The Evil Dead" and **"Night of the Living Dead."** 7 and 9 p.m. in Y-Theater. $2 with University I.D. (656-2461).

Union concert:
Tinsley Ellis Band. 9 p.m., Edgar's, $2. (656-2461).

27

Union short course:
Intermediate Clogging. 7-9 p.m., $20. 656-2461).

27-29

Union film:
"Beetlejuice." 7 and 9:15 p.m., Y-Theater, $1.75 with University I.D. (656-2461).

28

Mechanical engineering seminar:
"Frontiers in Metal Working - CAD, FEM, and AI," by Howard Kuhn, University of Pittsburgh. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

29

E.I.T. Examination for engineering students with 95 hours. Sponsored by College of Engineering (656-2406), Riggs Hall, $30.

Union trip:
Horseback riding. (656-2461).

Football:
Wake Forest, away (656-2101).

30

Union film:
"The Exorcist." 7 and 9:30 p.m., Y-Theater, free with University I.D. (656-2461).

31

Union film:
"Nightmare on Elm Street." 7 and 9:15 p.m., Y-Theater, $1 with University I.D. (656-2461).

Architecture lecture:
"Arts in New York" by Katharine Carter. 8 p.m., Lyles Auditorium. Reception follows. Sponsored by Clemson Architectural Foundation (656-3081).

31-Nov. 4

Preregistration.

November

1

Union film:
"Native Son." 7 and 9:15 p.m., Y-Theater. $2 with University I.D. (656-2461).

2

Union short course:
Introduction to Amateur Radio Communications. 7-8 p.m., $20. (656-2461).

Intern Employer Day for students in Graphic Communications. 11 a.m.- 5 p.m., Palmetto Ballroom.

4

Dedication:
Electrical and Computer Engineering Microstructures Laboratory, Riggs Hall, 11 a.m. (656-3190).

Dedication and open house:
Apparel Advanced Manufacturing Technology Demonstration site, 9:30 a.m., Pendleton (656-3177).

5

Football:
North Carolina, Death Valley (656-2101).

6

Union Performing Artist Series:
"Swan Lake" by Ballet South. Tillman Auditorium, 2 p.m. $6 students, $8 for public. (656-2461).

7-8

Fall break.

9

Five Directions Cinema:
"Deliverance." 7:30 p.m. in Y-Theater. $2 with University I.D. Sponsored by English dept. and University Union (656-2461).

10

Meeting:
Black Faculty and Staff Association. 7 p.m., 300 Sikes Hall. (Cynthia Robinson, 656-5826).

Clemson Players production:
"The Last House in California," by Angela Elam. 8 p.m., Daniel Annex. Matinee Nov. 3 at 3:30 p.m., free for students, $2 for faculty and staff, $4 for the public. Sponsored by performing arts department (656-2476).

31-Nov. 21

Exhibition:
Photographs of the Vietnam Veterans Memorial by Sal Lopes. Lee Gallery (656-3081).

10-12

Union film:
"Frantic." 7 and 9:15 p.m., Y-Theater. $1.75 with University I.D. (656-2461).

11

Mechanical engineering seminar:
"Experimental Modal Analysis: What It is and What It Should Be," by L.D. Mitchell, Virginia Polytechnic Institute. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

13

Union film:
"The Mosquito Coast." 7 and 9:15 p.m. in Y-Theater. Free with University I.D. (656-2461).

Help us report your information accurately!
— Let us know if your event changes by calling us at 656-3860.

Clemson
WEEKLY
Vol. 28, No. 14 Oct. 5, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Oct. 14 Tigerama looks at 'The Next 100 Years'

The 1988 homecoming queen and her court, a precision rifle drill team, student skits and a brilliant fireworks display are all part of the 32nd annual Tigerama Oct. 14 at 7:30 p.m. in Death Valley.

Tigerama will follow a 7 p.m. pep rally featuring the Clemson cheerleaders, the Tiger Band, the Rally Cats and the Tiger mascot.

Continuing the Centennial Celebration, six student organizations will perform skits based on this year's theme, "2088: The Next 100 Years."

Tigerama is sponsored by Blue Key, a student honor society, along with WSBF, the student radio station.

Once again, Tigerama hosts are Russ Cassell of WFBC radio and Jane Robelot of WSPA-TV.

Proceeds from Tigerama go to a scholarship fund for rising seniors with outstanding academic records, outstanding leadership qualities and an interest in enriching student life on campus.

Admission is $1.50 in advance and $2 at the gate. Advance tickets are available at Lynch Drug Co. and Mr. Knickerbocker in Clemson, and Harcombe and Schilleter Dining Halls.

— Shelia Antley

(Patrick Wright)

Out with the old...

President Max Lennon was on hand to empty the first tray of cards last week when Cooper Library staffers officially retired the traditional paper card catalog in favor of the electronic Library User Information Service (LUIS).

Libraries Director Joe Boykin (right) says the event marks the end of a transition begun five years ago.

For details, see the story on back.

Garden's Oct. 16 Idlewilde festival to feature art, entertainment

Idlewilde at the Botanical Garden, a new art and entertainment fall festival, will be held Sunday, Oct. 16, as a complement to Homecoming weekend.

Sponsored by the Botanical Garden, the festival is scheduled from 1-6:30 p.m.

Featured will be an art exhibit and sale by local artist Elizabeth Belser Fuller. Musical performers include The Smiths, a traditional folk music duet that features the hammered dulcimer, and I Musici Del Piemonte, a baroque ensemble.

Other activities include a children's storytelling led by Sandy Tice Wright, craft shows, dramatic readings, and entertainment by colorful clowns.

Based on the popularity of the Concourse Botanique spring festival, Garden officials expect several thousand people to attend.

In case of rain, an alternate date has been set for Oct. 23.

For details, call Idlewilde coordinator Ernie Denny at 656-4954.

Lecture to address alcohol awareness

Anti-substance abuse activist Susan Newman will highlight University activities during "National Collegiate Alcohol Awareness Week" with a lecture Oct. 17 at 7:30 p.m. in Daniel Auditorium.

The daughter of actor Paul Newman, she is the former executive director of the Scott Newman Center, an organization committed to reaching children and young adults before they experiment with drugs and alcohol.

Her brother, Scott, overdosed mixing the prescription drug Valium and alcohol.

For details, call the Student Development Office at 656-2153.

Briefly

Panel to examine department head system

The Clemson Chapter of the American Association of University Professors will sponsor a panel discussion Oct. 12 on "Evaluating Department Heads and the Headship System at Clemson."

The discussion will be held at 4 p.m. in the Jordan Room located on the second-floor walkway between Jordan and Long Halls.

For more information, call Cyndy Belcher at 656-5482.

Defensive driving classes scheduled for October

Defensive-driving classes for October will be held Oct. 11-13 and 18-20 from 8:30 a.m. to 4:30 p.m. each day.

The classes will be held in the conference room of the Facilities Maintenance and Operations Office on Klugh Ave.

To register, call Freddie Harbin at 656-3365.

Agricultural chemists to discuss research Oct. 11

Agricultural chemicals research is the topic of an Oct. 11 seminar sponsored by the Office of University Research.

Gert Volpp and William Van Saun of the Agricultural Chemicals Group of FMC Corp. in Princeton, N.J., will speak at 10:10 a.m. in Room F-149 Poole Agricultural Center.

The program is open to everyone.

For more information, call OUR at 656-2375.

FMC Corp. is a producer of machinery and chemicals for industry, agriculture and government with revenue of approximately $3 billion annually.

WHEN to meet Oct. 12

The next Women in Higher Education Network (WHEN) meeting will be Oct. 12 at noon in the Clemson Ramada Inn.

For more information, call Cairen Withington at 656-5785.

Workouts should work around new Fike schedule

To keep from disrupting your personal fitness schedule, remember to plan for the following schedule changes at Fike:

- Fike now closes at 8 p.m. on Fridays,
- Fike now closes at 6 p.m. on Sundays,
- Fike will close at 6 p.m. for Tigerama Oct. 14,
- Fike is closed for all home football games,
- The swimming pool will be closed Oct. 8-9 for varsity swim team practice.

For more information, call Fike at 656-2117.

Black faculty, staff group to meet Oct. 13

The Clemson University Black Faculty Staff Association will meet Oct. 13 at 7 p.m. in Room 300 Sikes Hall.

For more information, call Cynthia Robinson at 656-5826.

Engineering seminars set for early October

The mechanical engineering department's fall seminar series is now under way.

All lectures are free and will be held Fridays at 2:30 p.m. in Room 300 Riggs Hall.

The early October lineup features T. M. Rudy of Exxon Research & Development Co. speaking Oct. 7 on "Applications of Enhanced Heat in the Process Industry," and Richard Chu of IBM Corporation speaking Oct. 14 on "Review of Cooling Technology for Large Scale Computers."

For details, call 656-3470.

Applications due Oct. 10 for new academic position

The deadline for applications for the new director of Undergraduate Academic Services position is Oct. 10.

Candidates need at least a master's degree, faculty eligibility and experience advising students.

Send resumes and references to Search Committee Chairman Robert Waller, 108 Strode Tower.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Friday, Oct. 7, for Oct. 19 issue.**

Eastman Brass concert to honor Centennial

The Eastman Brass will commemorate Clemson's Centennial with a special fanfare Thursday, Oct. 6, when the quintet opens the University's 49th annual concert series at 8 p.m. in Tillman Hall Auditorium.

"Fanfare for Clemson University," composed by Brass member Verne Reynolds, combines rapidly rhythmic figures with a phrase taken from Richard Strauss' "Wir Solleten Wir Geheim Sie Halten," a song composed in 1888, the year of Clemson's founding.

The Eastman Brass features faculty members of the Eastman School of Music in Burlington, Vt.

Tickets will be available at the door at 7 p.m. on the concert date only. Tickets are $6 for adults, $2 for those under 16. Season tickets may be purchased by contacting the performing arts department at 656-3043.

These people seem to be having a good time... and perhaps you will, too, when the Eastman Brass appear Thursday, Oct. 6, at 8 p.m. in Tillman Auditorium. Tickets are $6 for faculty and staff. (656-3043)

Clemson Newsmakers

CURBi, the walking bipedal robot invented by **Yuan Zheng**, assistant professor of electrical and computer engineering, is scheduled to be featured on Don Herbert's (Mr. Wizard's) "How About..." syndicated television series, which is carried by approximately 150 stations nationwide and locally on WHNS TV-21.

•••

Another robot in the news is the **computer-tape handler** installed in the **Division of Computing and Information Technology** facility at Clemson Research Park.

A story about it is featured in the Sept. 28 issue of the "Chronicle of Higher Education."

Charles Boykin

the new director of real estate development

George L. Watkins

the new director of management services

Business and Finance names two to Facilities Planning and Management posts

Two directors have been named for Facilities Planning and Management Division of Business and Finance.

Charles Boykin has been named director of real estate development, and George L. "Buddy" Watkins III has been named director of management services.

Boykin, the former planning and development director for the city of Anderson, will be responsible for managing real estate activities for the division.

Watkins will supervise and coordinate all aspects of business management for the division.

Watkins worked for the University's Extension Service for nine years before forming his own computer consulting business.

Library retires card catalog

(Patrick Wright)

The future is not in the cards...

Sporting a black armband to "mourn" the demise of Cooper Library's card catalog system, Chris Gorsuch empties one of the more than 2,000 card trays as the University Libraries complete the five-year transition to LUIS.

The 2-million-plus cards will be recycled.

Cooper Library staffers bid goodbye last week to the card catalog system that has been in place longer than most of them have been alive.

The occasion marked the official completion of a five-year transition from the traditional paper card catalog to LUIS (Library User Information Service), the Libraries' computerized reference system for locating books, microfilms and periodicals.

President Max Lennon emptied the first of 2,000 card drawers into a container bound for a paper recycling center.

"Saying goodbye isn't all that easy, especially for all our dedicated workers whose untold thousands of man-hours have gone into maintaining the 2-million-plus cards in the catalog," said Libraries Director Joe Boykin.

"However, all those hours haven't been in vain. The catalog still exists, only now it's in an electronic form that will save Library users a significant amount of search time."

Boykin said the Libraries save $30,000 annually by not having to maintain the card catalog.

He added that the Division of Computing and Information Technology (which houses LUIS at Clemson Research Park) has a thorough backup system to ensure LUIS's continued reliability.

"This is a bit nostalgic for me," said Lennon. "I've spent countless hours using card catalogs to locate research sources, and it's thrilling to know that Clemson students can use the same resources in only a fraction of the time it once took me."

LUIS can be accessed from public computer terminals in the Cooper Library and its branches. LUIS is also accessible from any of the more than 1,700 terminals scattered across campus and through the statewide CUFAN computer network.

Librarian says it was time to let go of the past

Even though she emptied several trays personally, Peggy Cover had mixed emotions about getting rid of Cooper Library's card catalog system.

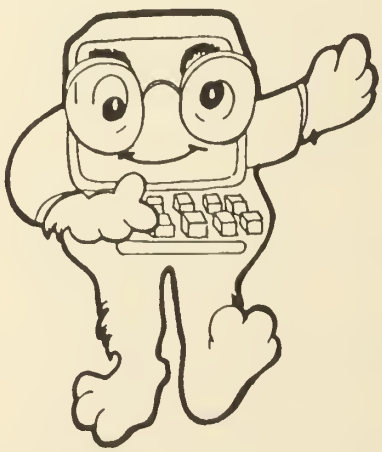
Having worked with the card catalog since 1965, Cover said, "In many ways it's like a mother letting go of her children. It's a bit sad, but it's something that has to be done."

However as head of the Library's reference department, she said she was ready to let go.

"We've been using LUIS (Library User Information Service) more and more over the past couple of years," she says, "and it really is a much better system more in-tune with the times. Now you can use LUIS to search our bibliographic records by particular key words which makes it that much more efficient and lets you find out about a particular publication in one stop."

Cover says the reference department will sponsor a special LUIS and DORIS (Document On-Line Retrieval Information System) help desk until Oct. 21 to help unfamiliar system users find reference materials electronically.

The desk will operate Monday-Friday from 9 a.m to noon and 1 to 4 p.m.



LUIS

Clemson
WEEKLY
Vol. 28, No. 15 Oct. 14, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Research grants total $2.2 million more than '86-'87

Clemson researchers amassed a record $20.8 million in competitive grants and contracts this past fiscal year, up $2.2 million from 1986-87.

A preliminary report from the Office of Grants and Contracts shows 1987-88 competitive grants and contracts totaling $20,813,219 as compared to $18,634,151 in 1986-87.

The $20.8 million total does not include money allocated through the annual federal and state budgetary process — only the amount awarded to Clemson researchers who competed for funds through written proposals.

Though all figures are not in, the value of all research and sponsored programs at Clemson in 1987-88 — including state and federal funding — is expected to have exceeded $56 million.

The top four colleges

Here's a breakdown of the top four colleges receiving research grant funding for '87-'88:

The College of Agricultural Sciences garnered almost $3 million more — from $3.9 million in '86-'87 to $6.7 million in '87-'88.

The College of Commerce and Industry also captured more in competitive research awards this year — from $774,590 in '86-'87 to $2.2 million in '87-'88.

The College of Engineering brought in some $4.8 million in competitive money.

The College of Sciences was awarded $3 million.

Funding sources

Of all competitive grants and contracts awarded to Clemson

• roughly 57 percent came from federal sources, including:
— $3 million from the U.S. Department of Agriculture;
— $1.3 million to the College of Commerce and Industry from the Defense Logistics Agency;
— $1.5 million from the National Science Foundation to a number of Clemson researchers.

• nearly 22 percent came from industry, including:
— $605,342 from the Monsanto Corp. for tracking genetically engineered microorganisms.

• approximately 13 percent came from other foundations and organizations.

• around 8 percent came from state sources, including:
— $209,782 from the S.C. Department of Education.

World Hunger activities begin Oct. 17

World Hunger Awareness Week begins Monday, Oct. 17, with a week's worth of free public events.

Monday through Thursday, a world hunger information table will be set up in the University Union Loggia.

On Monday, Oct. 17, a World Food Day International Televideo Conference on "Global Food Security: Focus on Africa" will be held from noon to 3 p.m. in 113 Lehotsky Hall. A special one-hour segment from 1-2 p.m. will focus on South Carolina hunger issues.

On Tuesday, Oct. 18, a 3 p.m. panel discussion on "The Role of Land-Grant Universities in Developing Countries" will be held in 100 McAdams Hall.

On Wednesday, Oct. 19, an African meal and a presentation on "The Role of Women in Developing Countries" will be held at 6 p.m. in the Clemson United Methodist Church.

On Thursday, Oct. 20, a movie titled "We are the Children" will be shown at 7 p.m. in the Jordan Room, located on the breezeway between Long and Jordan Halls.

For more information, call Bob Lippert at 656-2068 or Parr Rosson at 656-3476.

'88-'89 goal for Clemson Loyalty Fund to be revealed Friday

A faculty-staff representative will join other volunteer leaders Friday in announcing the 1988-89 Clemson Loyalty Fund goal.

Ron Nowaczyk, this year's faculty-staff Loyalty Fund chairman and president of the Faculty Senate, will join members of the alumni class of 1939, parents of Clemson students, and representatives of the University's six giving clubs to reveal this year's goal, which is expected to be considerably higher than last year's $5.2 million in Loyalty Fund gifts from individuals.

(Details on this year's Loyalty Fund Drive will be available in the next issue.)

University issues request for child care proposals

The effort to establish a campus child-care facility has taken a tangible step forward.

Requests for proposals have been issued seeking private businesses interested in starting a partnership with the University to provide day-care services for children of faculty, staff and students.

"We're looking for a private provider within three miles of campus to provide high-quality child care, educational opportunities for graduate and undergraduate students, and research opportunities for faculty and students," says Pat Padgett, chairman of the ad hoc child care committee.

The child care committee originally was asked to study the feasibility of an on-campus, self-supporting facility run by the University — an option that will still be pursued if no private providers come forward with acceptable proposals.

"The on-campus concept is the ideal, but the reality of the situation is that Clemson employees and students have immediate child care needs," Padgett says, "and obtaining all the state approvals necessary to develop and staff our own facility would be a difficult and lengthy process.

"The committee didn't want to force the administration to make an all-or-nothing decision. That approach was tried and had not worked. We are primarily interested in giving employees more and better child care options."

The partnership approach, says Padgett, would give students and employees most of the benefits of a University-run facility, with the provider taking care of special needs such as:

- flexible, part-time care, especially convenient for students,
- infant care,
- after-school programs, and
- facilities for sick children.

"An interesting bonus of the committee's work has been that some area day care centers have already incorporated many of the criteria we would require of a partner," she says.

"Simply by making employee and student concerns known, we've had a positive impact on local day care."

Briefly

Get free smoke detectors

Free smoke detectors are now available to residents in the Clemson area.

Anyone who does not currently have a smoke detector is eligible for one in the Clemson Community Volunteer Fire Prevention Program, sponsored by the C.U. Fire Department, the Clemson Jaycees, the Clemson Messenger and the City of Clemson.

If you or someone you know needs a smoke detector, call the C.U. Fire Department at 656-3554 to request one. The department will make arrangements to have the devices installed free of charge.

The department also has information on similar programs under way in Pickens, Oconee and Anderson Counties.

Country seminar to be held

The Office of International Programs and Services will sponsor a seminar on Indonesia Friday, Oct. 21, at noon in Room 200 Hardin Hall as part of the OIPS Country Seminar Series.

The series spotlights a different country each month, featuring cultural, geographical and historical perspectives by international faculty and students, plus films and displays.

For more information, call Priscilla Phillips at 656-2457.

Y-volleyball begins Oct. 17

Starting Monday, Oct. 17, the Clemson YMCA will offer volleyball instruction for four weeks to boys and girls aged 7-14.

Youth Volleyball will meet Mondays and Wednesdays from 4:30 to 6 p.m. at the YMCA Recreation Area.

For details, call 656-2460.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is Monday, Oct. 17, for Oct. 26 issue.**

Clemson
WEEKLY
Vol. 28, No. 16 Oct. 19, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Volunteers set Loyalty Fund goal at $6 million

Faculty, staff and other University volunteers aim to raise more than $6 million in personal gifts this year for the Clemson Loyalty Fund — 14.5 percent above the $5.2 million raised by individuals in 1987-88.

At a campus luncheon Friday, this year's faculty-staff Loyalty Fund Chairman Ron Nowaczyk joined other Clemson fund-raising leaders to reveal the $6,012,272 goal for 1988-89.

"This is an ambitious goal, but we're confident we will be able to achieve it," says Nowaczyk. "We already have raised more than $1.3 million, so we're off to an excellent start."

Representatives of the alumni class of 1939, parents of Clemson students, and the University's six giving clubs were also on hand to announce the goal.

In 1987-88, 562 faculty and staff alone gave $101,224, including about $69,000 in cash and about $32,000 worth of gifts-in-kind, such as books and personal items. (These figures do not include employees who also are alumni.)

What is the Loyalty Fund?

The Loyalty Fund consists of all gifts from individuals for academic and support programs.

There are two types of gifts: annual and endowment. Annual gifts are spent as they are received. Endowment gifts are invested, and only the investment income is used.

In either case, donors have the choice of restricting their gifts for specific purposes, such as particular programs or projects, or leaving the gifts unrestricted for the University to use where most needed.

How is the money used?

Gifts to the Loyalty Fund provide for:

- scholarships, such as the R.F. Poole Alumni Scholarships;
- fellowships, such as the Graduate Alumni Fellowships;
- professorships, such as the 17 Alumni Professorships;
- annual awards for excellence in teaching, research and public service, such as the Alumni Master Teacher Award;
- numerous other academic support programs, such as the Performing Artist Series, and
- a wide variety of alumni services and programs, such as *Clemson World* magazine.

How do I give?

Gifts may be made directly to the Loyalty Fund, 110 Daniel Dr., or through payroll deduction.

Payroll deduction forms are available from the Loyalty Fund Office. For details, call 656-5896.

Bishopville brothers receive life sentences

The two Bishopville brothers who pleaded guilty to setting the May 30 fires that killed University graduate student Joyce Vivian Austin and damaged the historic John C. Calhoun Mansion were sentenced to life plus 80 years in prison Oct. 10.

Jason Hugh Dinalt Hunt, 20, and Alaric Wayne Hunt, 19, received the maximum sentence for aggravated murder short of the death penalty. Both will be eligible for parole in 30 years.

Bids for restoration of portraits damaged in the Fort Hill fire are being accepted.

A memorial for Austin, established by the food science department, was scheduled to be dedicated Oct. 18 behind Newman Hall and Poole Agricultural Center.

Nominations due now

Nov. 1 is the nominating deadline for the 1989 Clemson Medallion.

Send your nomination with supporting information to: Gen. Hugh J. Clausen, Vice President for Administration, President's Office. For details call 656-3413.

The Clemson Medallion is the University's highest public honor. It is awarded at a dinner held each spring.

Briefly

United Way push begins

By the end of this month, University faculty and staff hope to meet a $60,000 goal for nearly 90 area charitable organizations supported by the United Way.

The University officially kicked off its annual United Way campaign Oct. 3 by sending brochures to each faculty and staff member detailing all beneficial organizations supported by the United Way and ways to give, including payroll deduction.

Last year, the University raised $56,000 for United Way.

The United Way supports organizations such as the Red Cross, Easter Seals, the Salvation Army, local programs for cancer victims, the blind, abused children, senior citizens, local food banks and literacy associations. Contributions can even be specified for particular counties.

For details, call this year's United Way Chairman Ryan Amacher or United Way Liaison Brenda Blankenship at 656-3178.

Mechanical engineering hosts October seminars

The mechanical engineering department's fall seminar series continues through October with a pair of lectures:

On Oct. 21, Raymond Viskanta of Purdue University will speak on "Solidification of Non-Metals and Metals."

On Oct. 28, Howard Kuhn of the University of Pittsburgh will speak on "Frontiers in Metal Working — CAD, FEM, and AI."

The 2:30 p.m. lectures are free and will be held in Room 300 Riggs Hall.

Geographer to speak

Cavita Pandit of the University of Georgia will speak on "Geography and the Third World" Tuesday, Oct. 25, at 2 p.m. in Room 200 Hardin Hall.

Her speech, sponsored by the history department, is free and open to the public.

For more information, call Jim Miller at 656-5368.

Register now for Family Life Colloquium

If you're planning to attend this semester's first Family Life Colloquium Oct. 28, you need to register now.

The registration deadline is Monday, Oct. 24. The colloquium will be held Friday Oct. 28, from 11:20 a.m. to 1:30 p.m. in Clemson House Purple Room.

The cost for the luncheon meeting is $5. Checks should be sent to Janna Harden in 243 Poole Agricultural Center. Checks should be made payable to Clemson University and marked "for Family Colloquium."

For more information call Emily Wiggins at 656-3288.

Oct. 25 videoconference to focus on ag education

A national forum on agricultural education in the United States will be the topic of a videoconference to be held here Tuesday, Oct. 25.

Registration begins at 11 a.m. in the Tiger Den box in the football stadium. The local program begins at 11:30 a.m. with the national forum starting at noon.

There is no registration fee. For more information contact Glen Shinn, head of agricultural education, at 656-3300.

Clemson Newsmakers

On your next turn through the pages of the "Chronicle of Higher Education," look for these recent Clemson stories:

The Oct. 5 issue features a story on the **Vital Issues Conference** on Racism, Prejudice and Separatism in Higher Education, sponsored by the Office of Human Resources.

The Oct. 12 issue features:

- a story on **Clemson's record fund-raising year,**
- comments by **Financial Aid Director Marvin Carmichael** on presidential campaign financial-aid promises, and
- a story on the **Springfield Plantation donation** to Clemson for tropical research on the Caribbean island of Dominica.

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Clemson WEEKLY

Vol. 28, No. 17 Oct. 26, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

National Vietnam Memorial exhibit opens Nov. 4

Photographs exploring the powerful emotions provoked by the Vietnam Veterans Memorial are the subject of a November exhibit in the Lee Gallery.

"The Vietnam Veterans Memorial Photographed by Sal Lopes" opens to the public Nov. 4. The photographs were taken on Veterans Days from 1982 to 1987 by Lopes, whose work has been featured nationally on ABC-TV's "Nightline with Ted Koppel." Clemson is one of many stops on the exhibit's national tour.

Lopes also will speak Nov. 14 at 8 p.m. in Lee Gallery on the exhibit and his work.

For details, call 656-3883.

(© 1982 Sal Lopes; courtesy Chrysler Museum, Norfolk, Va.)

Biomaterials expert to fill Hunter Chair

A world-class scholar has been selected to fill the Hunter Endowed Chair in Bioengineering, a faculty position created by a $1 million gift from Clemson alumnus Thomas M. Hunter, who died in August 1987.

Jonathan Black, a faculty member in the department of orthopedic surgery at the University of Pennsylvania for 17 years, will join Clemson in January.

Black is a co-founder of the University of Pennsylvania's bioengineering department and is responsible for developing much of its curriculum.

The author of six textbooks and holder of five patents, Black earned a bachelor's degree in physics from Cornell University, a master's in engineering science from Penn State and a doctorate

Jonathan Black named to the Hunter Chair of Bioengineering

in biomaterials from the University of Pennsylvania.

His research deals with the interactions of living cells and biomaterials and with applied solutions to orthopedic surgical problems.

The Hunter Chair is named for Joe Everett "Little Joe" Hunter, an 1896 Clemson graduate and mathematics professor.

Cabinet member to speak Oct. 27

Secretary of Transportation James Burnley will speak Thursday, Oct. 27, in Lyles Auditorium.

The topic of his 3:30 p.m. address will be "Administration Policy on Drug Law Enforcement."

Sponsored by the Strom Thurmond Institute, Burnley's speech is free and open to the public.

A reception will follow in Lee Gallery.

For details, call 656-4700.

Benefits deadline nears

Oct. 31 is the open enrollment deadline for State Health and HMO programs, and the New Money Plus programs.

For more information, call the Payroll and Employee Benefits Office at 656-2000.

Briefly

Oct. 31 panel to discuss Clemson deanship system

The Clemson Chapter of the American Association of University Professors will sponsor a panel discussion Oct. 31 on "Evaluating the Academic Deans and the Deanship System at Clemson."

The 4 p.m. discussion will be held in the Jordan Room located on the second-floor walkway between Jordan and Long Halls.

For more information, call Cyndy Belcher at 656-5482.

Check out 'New York Arts'

Katharine Carter will lecture Monday, Oct. 31, in Lyles Auditorium on "Arts in New York."

The 8 p.m. lecture, sponsored by the Clemson Architectural Foundation, is free and open to the public.

For details, call 656-3081.

Book proposals due Nov. 28 to NASULGC

The National Association of State Universities and Land-Grant Colleges is soliciting proposals from interested scholars to produce a centennial book depicting the historical development of historically black land-grant colleges and universities.

Three copies of a double-spaced proposal up to 20 pages in length should be submitted to the Council of 1890 Presidents/ Chancellors by Nov. 28.

For details, call N. Joyce Payne at (202) 778-0818 or write the Office for the Advancement of Public Black Colleges, NASULGC, 1 Dupont Circle, NW, Suite 710, Washington, D.C. 20036.

Look for 'Love Style' Oct. 31

Keith Davis of the University of South Carolina will speak Monday, Oct. 31, on "Stalking the Elusive Love Style: An Integration of Love Style and Attachment Style Theories" at 3:30 p.m. in 200 Hardin Hall. The lecture, sponsored by the psychology club, is free and open to the public.

For information, call 656-3210.

Discount tickets available

If you're looking for a break on the ticket prices at area movie theaters, check out the University Union's bargain tickets.

Tickets purchased at the Union for $3.25 will be honored at selected theaters in Anderson, Easley and Greenville.

For details, call 656-2461.

Players to perform Oct. 31

The Clemson Players will present "The Last House in California" Oct. 31-Nov. 4 at 8 p.m. in Daniel Hall Auditorium. A special matinee performance will be held Nov. 3 at 3:30 p.m.

Tickets for the play, written by former Clemson student Angela Elam, are free for students, $2 for faculty and staff, and $4 for the public.

Tickets go on sale Oct. 24 at the Clemson Players Box Office.

The play is sponsored by the performing arts department. For information or reservations, call 656-2476.

Soprano to perform Oct. 26

Soprano Beverly Hoch will perform Wednesday, Oct. 26, at 8 p.m. in Tillman Hall Auditorium as part of the University's Concert Series.

Sponsored by the performing arts department, admission is free for students and $6 for the public. Tickets go on sale in Tillman lobby the night of the performance. Concert Series season tickets are still available.

For details, call 656-3043.

Historian to lecture

Historian Steven Marks will speak Wednesday, Oct. 26, on "The Burden of Siberia: The Amur Question in Russia, 1906-1916," at 3:45 p.m. in 202 Hardin Hall Auditorium.

The seminar, sponsored by the history department, is free.

For details, call 656-3153.

Engineer to speak

On Oct. 28, Howard Kuhn of the University of Pittsburgh will speak on "Frontiers in Metal Working — CAD, FEM, and AI."

Kuhn's lecture will be held at 2:30 p.m. in Room 300 Riggs Hall. It is part of the mechanical engineering department's fall seminar series.

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Clemson
EVENTS
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

November

9-21

Architecture exhibit:
"The Vietnam Veterans Memorial Photographed by Sal Lopes." Lee Gallery. Opening reception is Nov. 11 at 7 p.m. in Lee Gallery. (656-3883).

10

Meeting:
Clemson University Black Faculty and Staff Association. 4:45 p.m., Room F-149 Poole Agricultural Center. (Cynthia Robinson, 656-5826).

Extension program:
"Craft ideas and energy saving tips for Christmas." 9:30 a.m. and 12:10 p.m., Clemson Methodist Church, free, open to the public. Preregister by Nov. 7. (Extension Service and Duke Power Co. — Talley West, 859-2422).

10-12

Union film:
"Frantic." 7 and 9:15 p.m., Y-Theater. $1.75 with University I.D. (656-2461).

11

Union concert:
"Deadly Crank Dogs." 9 p.m., Edgar's, $2. (656-2461).

Mechanical engineering seminar:
"Experimental Modal Analysis: What It Is and What It Should Be," by L.D. Mitchell, Virginia Polytechnic Institute. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

12-13

Union trip:
Spelunking in Trenton, Ga. $20, includes transportation and cave gear. (656-2461).

13

Union film:
"The Mosquito Coast." 7 and 9:15 p.m. in Y-Theater. Free with University I.D. (656-2461).

150th anniversary of the marriage of Anna Maria Calhoun to Thomas Green Clemson.

14

Extension program:
"Craft ideas and energy saving tips for Christmas." 10 a.m. and 7:30 p.m., Easley First Baptist Church, free, open to the public. Preregister by Nov. 10. (Extension Service and Duke Power Co. — Talley West, 859-2422).

Meeting:
Professional Secretaries International. 5 p.m., Clemson Golden Corral. (Sandra Davis, 656-2330).

Architecture lecture:
"Vietnam Veterans Memorial" by Sal Lopes. 8 p.m., Lee Gallery. (Jon Meyer, 656-3883).

Music program:
Kindermusik demonstration for parents of children ages 4-6. 6:30 p.m., Room 218 Daniel Hall, free. Kindermusik classes begin Jan. 12. (Performing arts department, 656-3043).

Southern Circuit Film and Lecture:
"Voices" and **"The Rubber Stamp,"** by Joanna Priestly. 8 p.m., Y-Theater. (English department and College of Architecture, 656-3883).

Office of University Research seminar:
"Nursing Research/Industry Clinical Evaluations: There Is a Match" by Charles Memhardt of Kendall Healthcare Products. 2:15 p.m., Room 407 Nursing Building. Free, open to the public (656-2375).

14-18

Holiday event:
Student Nurses Association collecting toys for Christmas. Loggia (Lori Fischer, 656-5489).

15

Lillian and Robert Utsey Chamber Music Series:
Atlanta Chamber Players.

8 p.m., Daniel Auditorium, free. (Performing arts department, 656-3043).

Union short course:
Massage for Relaxation. 7-9:30 p.m., $21.50. (Additional class held Nov 17). (656-2461).

15-16

Continuing Engineering Education conference:
Effective Communication Skills for Technical Professionals. Greenville Hyatt Regency (Jan Keaton, 656-3308).

15-17

Professional Development seminar:
Slashing: Today and Tomorrow. Clemson Ramada Inn. (656-2200).

Alpha Phi Omega blood drive:
4th annual Clemson-USC blood drive competition. Noon-7 p.m., Palmetto Ballroom. (656-6480).

16

Office of University Research seminar:
"Electromagnetics is not a Mature Science" by Walter Flood of the Army Research Office. 2:30 p.m., Room 114 Kinard Hall. Free, open to the public (656-2375).

Send calendar information to:

Master Calendar, News Services, Trustee House.

History lecture:
"Geography and Public Policy," by Ron Mitchelson, University of Georgia. 7 p.m., 200 Hardin Hall, free. (656-3153).

17-19

Union film:
"Good Morning Vietnam." 7 and 9:30 p.m., Y-Theater. $1.75 with University I.D. (656-2461).

18

Centennial special event:
Centennial class photograph of the entire student body (to be placed in the Tillman Hall time capsule). 3 p.m., Bowman Field, open to all students. (Margaret Pridgen, 656-3869).

International Programs and Services seminar:
Argentina. Noon, Room 200 Hardin Hall, free. (656-2457).

Mechanical engineering seminar:
"New Tools for Mechanisms Design," by Donald P. Riley, University of Minnesota. 2:30 p.m., 300 Riggs Hall, free. (656-3470).

Union concert:
"Crushtones" 9 p.m., Edgar's, $2. (656-2461).

Groundbreaking:
Structure to house the old Tillman Hall bell. 1 p.m., lawn between Brackett and Sikes Halls. Reception follows at President's House. Sponsored by Class of 1939 (656-2345).

19

Football:
South Carolina, Death Valley (656-2101).

20

Union film:
"The Good, the Bad and the Ugly." 7 and 10:15 p.m., Y-Theater. Free with University I.D. (656-2461).

Union trip:
Ice skating, shopping at Eastland Mall in Charlotte, N.C. $4.50, includes transportation. (656-2461).

24-25

Thanksgiving holidays.

28-30

Art sale:
Student-Faculty Art Sale. Lee Gallery, Lee Hall. (656-3883).

29

Performing Arts concert:
CU Chorus: 8 p.m., Tillman Hall Auditorium, free. (656-3043).

December

1-3

Union film:
"Biloxi Blues." 7 and 9:15 p.m., Y-Theater. $1.75 with University I.D. (656-2461).

2-4

Performing Arts special event:
Olde English Feaste and Revel. Palmetto Ballroom, 6:30 p.m. (2:30 p.m., Dec. 4). Tickets sold by mail-order only. Sponsored by performing arts department (Mark Jessie, 656-3453).

Clemson WEEKLY

Vol. 28, No. 18 Nov. 2, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Clemson Apparel Research facility to open Nov. 4

President Max Lennon will "cut the ribbon" to officially open the University's Apparel Advanced Manufacturing Technology Demonstration facility in Pendleton Nov. 4 at 9:30 a.m.

The facility represents part of the largest research contract in the University's history, awarded last fall by the Defense Logistics Agency of the U.S. Defense Department.

The base contract covers a three-year period and includes $3.2 million for the demonstration facility, using state-of-the-art technology and equipment to manufacture men's short-sleeve military shirts, and $100,000 to $1 million per year for short-term research.

The potential face value of the base contract is $6.2 million, but it could be extended two more years and to $10 million.

At 10 a.m. and 2 p.m., professors will demonstrate several of the additional research projects proposed by faculty members and funded by the contract.

Tours of the plant and the research demonstrations that day are free and open to the public.

The model plant will be open to the public on Fridays and by appointment otherwise for short-term research projects, problem solving and special demonstrations for industry representatives.

Holidays approaching, *Weekly* to skip issues

Fall break is Nov. 7-8.

Thanksgiving holidays are Nov. 24-25.

There will be no *Clemson Weekly* Nov. 9 or Nov. 23.

Microstructures Laboratory dedication set for Nov. 4

The inventor of the integrated circuit will be the guest speaker Friday, Nov. 4, at dedication ceremonies for the electrical and computer engineering department's new Microstructures Laboratory.

At left, a technician works in the new Microstructures Laboratory.

Jack Kilby is scheduled to give the 11 a.m. keynote address in Earle Hall Auditorium for the new $2 million facility, which is located in the basement of Riggs Hall.

The Laboratory will allow engineering students to learn about integrated circuits, or computer chips, through hands-on experience.

Funded by the S.C. General Assembly, the "clean room" is an enclosed room virtually free of air particles, which can severely damage the miniscule elements of an integrated circuit.

The Microstructures Lab will serve as both a teaching and research laboratory that expands the scope of the University's Center for Semiconductor Reliability Research.

Jack Kilby, inventor of the computer chip will speak Nov. 4 at dedication ceremony

That research involves studying the failure of VLSI devices — Very Large Scale Integration — the technology of cramming an ever-increasing number of circuits onto an ever-shrinking chip for use in everything from automobiles and airplanes to telephones and televisions.

The facility also will support research college-wide and possibly University-wide.

Briefly

Ballet South to present 'Swan Lake' Nov. 6

Ballet South will present "Swan Lake" Sunday, Nov. 6, at 2 p.m. in Tillman Hall Auditorium.

Tickets are $8 for the public, and $6 for students and senior citizens.

The performance is part of the University Union's Performing Artist Series.

For more information, call 656-2461.

Black faculty, staff to meet

The Clemson University Black Faculty and Staff Association will meet Thursday, Nov. 10, at 4:45 p.m. in Room F-149 Poole Agricultural Center.

For more information, call Cynthia Robinson at 656-5826.

Southern Circuit Series to present film, lecture

The Southern Circuit Film and Lecture Series will present two award-winning animated films by filmmaker Joanna Priestly Monday, Nov. 14, at 8 p.m. in the Y-Theater.

Priestly will present "Voices," a short, animated autobiographical film, and "The Rubber Stamp," which uses freeform dream imagery accomplished entirely with rubber stamps.

The presentation is sponsored by the English department and College of Architecture.

For information, call 656-3151.

Atlanta Chamber Players to perform Nov. 15

The Atlanta Chamber Players will perform favorite selections from Clemson's Centennial period Tuesday, Nov. 15, at 8 p.m. in Daniel Auditorium.

The performance, part of the Lillian and Robert Utsey Chamber Music Series, is free and open to the public.

For more information, call 656-3043.

Architect to lecture Nov. 9

Architect Arthur Erickson will lecture on his recent works Wednesday, Nov. 9, at 8 p.m. in Lee Hall's Lyles Auditorium.

The lecture, sponsored by the Clemson Architectural Foundation, is free and open to the public.

For more information, call 656-3081.

Flu vaccines available

The College of Nursing is offering flu vaccines and total cholesterol testing to faculty and staff.

The cost is $10 for both if taken at the same time. Separately, the flu vaccine is $5 and the cholesterol screening is $7.

Persons allergic to eggs, chicken feathers or chicken dander should not receive the flu vaccine until they have consulted a personal physician. Pregnant women also should consult their physicians before receiving the vaccine.

For information, call the Nursing Center at 656-3076.

Historian to lecture Nov. 14

Religious Historian Nancy Hardesty will speak Monday, Nov. 14, on "Sexual and Spiritual: Can a Christian Woman Be Both?" at 3:30 p.m. in Room 200 Hardin Hall.

Her talk is sponsored by the women's studies committee.

For more information, call Pam Mack at 656-5336.

Advisers should call

If you are interested in serving as an adviser to a new or existing student organization — or if you would like to be listed in a speaker's index of qualified presenters on various student leadership development topics — call the Student Development programs office at 656-5994 by Friday, Nov. 4.

Get Facts now

If you've ever needed some quick background on the University and didn't know where to find it, just ask for Facts 1988.

Facts 1988 is a 12-page pamphlet containing easy-to-locate information and statistics on such subjects as University history, administration, revenues and expenditures, enrollment, and courses of study.

Facts pamphlets come packaged in groups of 25 and cost

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is FRIDAY, Nov. 11 for Nov. 30 Issue.**

$5.68. The pamphlets are available from Central Stores. When ordering, be sure your Central Stores requisition contains the following numbers: the stock number is F290024; the bin location number is 0407; the price is $5.67788.

Two-color campus maps also are available from Central Stores for 25 cents each. The stock number is F089152; the bin location number is 0089.

For more information, call Janis McWhorter at 656-4789 or Central Stores at 656-2332.

University Woman's Club sponsors craft exhibit

The Clemson University Woman's Club will sponsor a craft and hobby exhibit 6-8 p.m. Thursday, Nov. 3, at the Parish House of the Holy Trinity Episcopal Church in Clemson.

The exhibit will feature artisans from the University community, who will share information about their hobbies and demonstrate their skills. The crafts displays will include smocking, stitchery, stenciling, weaving, flower arranging, lace collar making, tole painting and sweatshirt painting.

The exhibit will be open to the public at no charge.

Try the Visitors Center

If you need a good, fast idea for introducing a prospective faculty or staff member to campus, try calling the University Visitors Center.

The Visitors Center has packets with information on the University, the town (including public schools), the Upstate and the state.

They also have campus and area videos on hand and conduct walking or riding campus tours tailored to guests' or prospects' individual needs.

For more information, call Visitors Center Manager Janis McWhorter at 656-4789 or drop by Room 103 Tillman Hall.

The Visitors Center is open weekdays from 8 a.m. to 5:30 p.m.; on Saturdays from 10 a.m. to 4 p.m. and on Sundays from 2-5:30 p.m.

Geographer to lecture

Ron Mitchelson of the University of Georgia will speak Wednesday, Nov. 16, on "Geography and Public Policy" at 7 p.m. in Room 200 Hardin Hall.

Mitchelson will speak on his research on the growth of cities and the reach of commuting districts in the Southeast, and how public and private sectors are developing strategies to manage growth.

The speech, sponsored by the history department, is free and open to the public.

For more information, call Jim Miller at 656-5368.

Engineer to speak

On Friday, Nov. 11, L.D. Mitchell of Virginia Tech will speak on "Experimental Modal Analysis: What It Is And What It Should Be" at 2:30 p.m. in Room 300 Riggs Hall.

His talk is part of the mechanical engineering department's fall seminar series.

For more information, call 656-3470.

WHEN to meet Nov. 9

The Women in Higher Education Network (WHEN) will meet Wednesday, Nov. 9, at noon in the Clemson Ramada Inn.

The guest speaker will be Vice Provost for Undergraduate Studies Jerome V. Reel, who will speak on "Clemson's Centennial and the Role Played by Women in the Development of the University Over the Last Century (from Anna Maria Calhoun Clemson to the Present)."

For more information, call Cairen Withington at 656-5785.

Grant to help recruit minority teachers

The College of Education has received an $84,000 grant from the S.C. Commission on Higher Education to recruit minority graduate students into secondary mathematics or science teaching.

Clemson, the only university in the state to receive such a grant from CHE, already has recruited seven graduates, says Bill Leonard, professor of education and director of the program.

The recruits have baccalaureate degrees in either math or science but are not teacher-certified. They will take education courses and student-teach before being certified next year, when the University will find positions for them in secondary schools.

Co-op numbers increase

The number of students participating in the cooperative education program has doubled during the past five years, and the numbers are increasing daily, says the program's director.

"For summer and fall '88, we have 535 students active in the program," says Marty Williams, "About 400 of those are in engineering jobs. We have 150 more students on the waiting list."

More than 200 businesses participate in the Clemson's co-op program. Approximately half are in South Carolina, but co-op positions can be available most anywhere in the United States or abroad.

For details, call 656-3150.

Calculators may improve students' math abilities

Calculators in the classroom used to be a no-no; now University researchers say the devices could revolutionize the way math is taught in schools.

With a three-year, $202,000 grant from the U.S. Department of Education, Mathematics Professor Don LaTorre and a team of colleagues are exploring ways in which a powerful new generation of calculators can be used in undergraduate math classes.

"For the first time, students have ready access to economical, state-of-the-art technology that will fit into a backpack," says LaTorre.

Personal hand-held calculators with graphics displays and symbol manipulating capabilities cost around $100, he says, and have been on the market for the past two years.

"This grant will allow us to integrate these calculators into the curriculum and demonstrate a fresh, new approach to teaching mathematics," says LaTorre.

The machines will take the cumbersome nature of numerical computation out of the classroom, instead freeing students to work on more important mathematical concepts and processes.

"What also happens when you give a student one of these computers is that their math anxiety drops way, way down," he says.

In fact, he says, those students who traditionally do poorly because of high math anxiety may well perform better, with increased confidence and interest generated by the calculators. The machines take away the computational burden and allow students to think and analyze beyond the basic equation.

LaTorre says manufacturers are sending him 200 of the advanced scientific calculators to loan to math students taking the newly designed classes.

Fall enrollment numbers increase; records set

The University's 1988-89 fall enrollment figures for on- and off-campus students (as of Sept. 29, 1988) show:

Overall enrollment

• a record 14,794 students *(up 6.7 percent from last year),*

— 11,774 undergraduate students *(up 7.3 percent from last year),*

— 3,020 graduate students *(up about 4.3 percent from last year);*

• a record 9,826 South Carolinians *(66 percent of the student body);*

Freshmen enrollment

• a record 1,307 students presenting advanced placement scores *(up 26 percent from last year);*

• a record 6,286 advanced placement credit hours awarded *(up 13 percent from last year);*

• a freshman class size comparable to last year's *(2,885);*

• higher freshmen Scholastic Aptitude Test scores *(an average of 1,032 — up four points from last year);*

• 33.5 percent of all Clemson freshman ranked in the top 10 percent of their high school classes; 58 percent ranked in the top 20 percent, and 94 percent graduated in the top 50 percent.

Undergraduate enrollment

• Black undergraduate enrollment is up less than 1 percent from last year *(663 or 5.6 percent of the total);*

• Male undergraduate enrollment is comparable to last year *(6,713 or 57 percent).*

Graduate enrollment

• Black graduate enrollment is up 30 percent from last year *(126 or 4.2 percent of the total);*

• International graduate enrollment is up 8 percent *(488 or 16.2 percent of the total);*

• Male graduate enrollment is up 1 percent from last year *(1,638 or 54 percent).*

The reasons

"Even though our raw numbers have increased, we have remained about the same demographically," says Frank Gentry, executive assistant to the dean of Admissions and Registration.

Gentry says the University is growing, in large measure because of freshman enrollments of 2,800-plus students for the past two years and because of the Graduate School's plan to double its enrollment within five years.

"The demand for Clemson has been so great that we've been able to serve more students than we have before without compromising our standards," he says, "and in many cases, these additional students have improved the quality of our student body."

Clemsons married 150 years ago Nov. 13

Sunday, Nov. 13, is the 150th wedding anniversary of Anna Maria Calhoun and Thomas Green Clemson.

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Students to pose for Centennial photo Nov. 18

The University will try to recreate history this Friday, Nov. 18, by photographing the entire student body at 3 p.m. on Bowman Field.

The Centennial photograph will echo one made in 1938, during Clemson's 50th anniversary year.

The photo, which also will be available for sale as a poster, will go in the new Tillman Hall time capsule when the building's cornerstone is replaced next April.

The rain date for the photo is Friday, Dec. 2.

Sponsors of the photo project are *Clemson World* magazine, which will run the photo in its special Centennial issue next spring, and the Student Centennial Committee.

"We're planning to rope off an area the size of a football field, and whoever shows up will have their picture placed in the time capsule and printed on the poster," says *Clemson World* Editor Margaret Pridgen.

A photographer will be suspended above the crowd in a 100-foot "cherry picker" or "bucket truck" and will use a panoramic camera.

Pridgen suggests students arrive around 2:30 p.m. to get the best spots for the picture. She also encourages student organizations to stand together in group uniforms or T-shirts if possible.

Orders for the poster will be taken that day, Pridgen says, with delivery guaranteed by Christmas.

Class of '39 to break ground for Tillman bell Nov. 18

The Class of 1939 will break ground this Friday, Nov. 18, for a structure to house the old Tillman Hall bell and symbolize alumni support for faculty excellence.

Everyone is invited to attend the 1 p.m. ceremonies on the lawn between Brackett and Sikes halls (across the street from Bowman Field) and a reception afterwards at the President's home.

To celebrate their golden anniversary in 1989, members of the Class of '39 decided to establish an endowment to provide an annual award of $5,000 for outstanding faculty members and to give the University a place to display the bell that hung in the Tillman Hall clock tower from 1906 until 1985.

"We've raised $250,000 toward our goal of $500,000," says class President Tee Senn, a retired horticulture professor and department head here.

The Class of 1939 Award of Excellence will reward and recognize faculty members, selected by their peers, for distinguished service to students and the University.

The frame for the Tillman bell, which was replaced by a 47-bell carillon, will provide this piece of Clemson history with a prominent, public place on campus and serve as a physical reminder of Clemson's commitment to excellence, Senn says.

Holidays approach, *Weekly* to skip issue

Thanksgiving holidays are Nov. 24-25.

There will be no *Clemson Weekly* Nov. 23.

Second biotech field test under way

Clemson researchers began an Environmental Protection Agency-approved field test Nov. 3 of a genetically engineered microorganism designed to combat a major wheat-killing disease.

The field test, part of an ongoing research partnership between Clemson and Monsanto Co., is being conducted on a 1.11-acre wheat plot at the Edisto Research and Education Center in Blackville.

Researchers will assess the effectiveness of an anti-fungal bacterium against wheat take-all, a fungal disease that attacks wheat plant roots and causes dry rot and premature death.

Take-all causes millions of dollars of damage annually in the United States and can reduce crop yields by 50 percent.

Wheat seed coated with the genetically engineered bacterium were planted in the test plot. Scientists will monitor for traces of the marked bacteria on the wheat roots and in the soil.

The winter wheat crop will be evaluated periodically then harvested in about eight months.

Briefly

Performing arts hosts Dec. 2-4 Old English feaste

The performing arts department will present an "Olde English Yuletide Feaste and Renaissance Revel" Dec. 2-4, recreating the atmosphere of Elizabethan England with authentic dress, decor, food, dance and song.

The feast and revel will be held at 7 p.m. Friday, Dec. 2, and Saturday, Dec. 3. Tickets are $19.50 per person.

On Sunday, Dec. 4, a 3 p.m. matinee feast will include desserts and beverages only. The cost is $5 for adults and $3 for children under 12.

Each feast will be held in the Palmetto Ballroom.

Seating is limited. Tickets are available only by mail. Orders must be postmarked by Nov. 21.

Send checks made payable to the department of performing arts to: Madrigal Dinner Tickets, Department of Performing Arts, 717 Strode Tower.

For details, call the department at 656-3043 or 656-3453.

Chorus to perform holiday music

The Clemson University Chorus will perform religious and secular music for the holiday season Tuesday, Nov. 29, at 8 p.m. in Tillman Hall Auditorium.

The concert, sponsored by the performing arts department, is free and open to the public.

For details, call 656-3043.

Discover Argentina

The Office of International Programs and Services will present a film and lecture on Argentina Friday, Nov. 18, as part of the country seminar series.

The presentation, be held at noon in Room 200 Hardin Hall, is free and open to the public.

For details, call 656-2457.

Panel to discuss provost system

A panel discussion on "Evaluating the Provosts and Vice-Provosts and the Provost System at Clemson" will be held Thursday, Nov. 17, at 4 p.m. in Room 100 of the College of Nursing Building.

The discussion is free and open to the public, and is sponsored by the Clemson Chapter of the American Association of University Professors.

For details, call 656-5482.

What's new in China

Edward McLean, Clemson professor of agricultural economics and rural sociology, will speak on "Modernization in the People's Republic of China" Monday, Nov. 21, at 3:15 p.m. in Room 302 of the College of Nursing Building.

The free lecture is sponsored by international programs in the Division of Agriculture and Natural Resources.

For more information, call J. Edwin Faris at 656-3223.

Find out the truth about Mother Goose

Clemson English Professor Malcolm Usrey will speak on "All You Ever Wanted to Know About 'Mother Goose' but Did Not Know Enough to Ask" Thursday, Nov. 17, at 3:30 p.m. in Room G-33 Jordan Hall.

The lecture is free and is sponsored by the English department.

For details, call 656-3151.

Do trees have rights?

Larry McCollough, Clemson assistant professor of philosophy, will speak on "Do Trees Have Rights?" Tuesday, Nov. 29, at 3:30 p.m. in Room 200 Hardin Hall.

The free lecture is sponsored by the philosophy and religion department.

For details, call 656-2584.

Engineer to speak on new tools for design

Donald Riley of the University of Minnesota will speak on "New Tools for Mechanisms Design" Friday, Nov. 18, as part of the mechanical engineering department's fall seminar series.

His 2:30 p.m. talk Room 300 Riggs Hall is free and open to the public. For details, call 656-3470.

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Clemson
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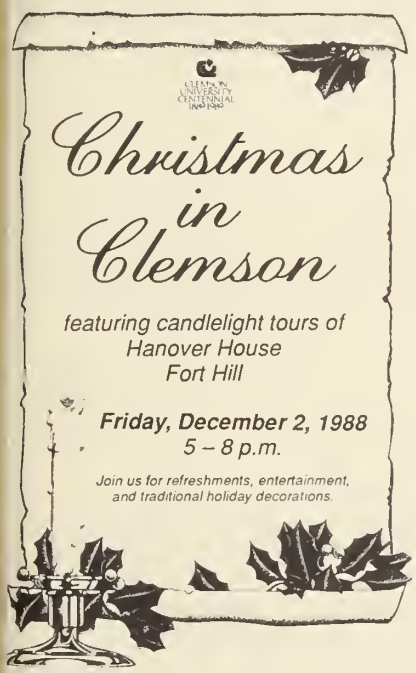
Vol. 28, No. 20 Nov. 30, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Fort Hill, Hanover Christmas tours set for Dec. 2



Experience the splendor and wonder of an old-fashioned Christmas Friday, Dec. 2, through candlelight tours of the historic Hanover House and John C. Calhoun Mansion from 5 to 8 p.m.

Decorations for the Hanover House will be provided by the Foothills, Cherokee and Fort Hill garden clubs, and the University Horticulture Club.

Musical entertainment will be provided by the Clemson Recorder Group, I Musici del Piemonte and the Hosanna Singers. Light refreshments will be served.

The Calhoun Mansion, decorated by the John C. Calhoun Chapter of the United Daughters of the Confederacy, will feature traditional holiday decorations of fruit and greenery.

The Clemson Community Chorale will sing Christmas carols and other traditional holiday selections.

"The elegance of the Calhoun Mansion is the ideal setting for a traditional Christmas in the style of the Old South," says Mansion Hostess Ann Russell.

The candlelight tours of the historic houses are sponsored by the University and the Colonial Dames of Spartanburg.

Both houses will be open Dec. 5-9 from 10 a.m. to noon and from 1 to 5 p.m.

— Sharon Jones

Classified employees can look for two checks Dec. 9

Most full-time classified employees will pick up an extra $365 check with their Dec. 9 paychecks as the result of legislative action this past summer.

Those eligible to receive the special one-time payment are classified employees who have been employed here from June 1 through the first pay period in December.

Other eligible employees are those who have:

- been terminated because of work-force reductions and rehired since June 1 of this year,
- been on leave without pay, or
- transferred from another state agency with no break in service.

Eligible part-time classified employees will receive a prorated payment based on the full-time percentage of their position.

The $365 will be subject to federal, state and Social Security tax withholding. S.C. Retirement System contributions, however, will not be deducted.

For more information, call the Payroll and Employee Benefits Office at 656-2000.

University extends United Way campaign

With less than 10 percent of the way left to go, it's still not too late to contribute to this year's United Way campaign, says University United Way Liaison Brenda Blankenship.

"This year's response has been fantastic," says Blankenship. "Even though the campaign was supposed to have ended in October, donations from faculty and staff have kept filtering in.

"Since the University is within just $5,000 of reaching its $60,000 goal, we wanted to keep the campaign going long enough for those donations to put us over the top."

The United Way supports organizations such as the Red Cross, the Easter Seals Society and the Salvation Army.

For information on giving, call Blankenship at 656-3178.

— Karen Brewer

December Events

1-3

Union film:
"Biloxi Blues." 7 and 9:15 p.m., Y-Theater. $1.75 with University I.D. (656-2461).

2

Special event:
Christmas candlelight tours of Calhoun Mansion and Hanover House. 5-8 p.m. Musical entertainment and light refreshments (Ann Russell, 656-2476).

2-4

Performing arts special event:
Olde English Feaste and Revel. 6:30 p.m., Palmetto Ballroom. (Dessert only held Dec. 4 at 3 p.m.) Reservations required. (Mark Jessie, 656-3453).

3

Nursing special event:
College of Nursing Wassail. 3-5 p.m., Room 100 College of Nursing Building (656-5508).

5-9

Exhibit/open house:
College of Nursing 20th Anniversary. 9 a.m.-5 p.m., Room 100, College of Nursing Building. Sponsored by Centennial Committee (656-5508).

5-10

Final exams.

5-16

MFA Thesis Exhibition. Lee Gallery, Lee Hall (656-3883).

6

Meeting:
Faculty Senate. 3 p.m., Senate Chambers (Ron Nowaczyk, 656-4984).

7-17

Workshop:
Recombinant DNA Techniques. Sponsored by Division of Agriculture and Natural Resources (John Diehl, 656-5166).

8

Meeting:
Black Faculty/Staff Association. 4:45 p.m., Room F-149 Poole Agricultural Center (Cynthia Robinson, 656-5826).

9-March 9

Special Collections exhibit:
Tillman Hall Cornerstone. Cooper Library lobby. Open during Library hours. (Mike Kohl, 656-3031).

13

Meeting:
Commission on Classified Staff Affairs. 10 a.m., Room 113 Lehotsky Hall (John Clemens, 656-3216).

13-14

Symposium:
Biological Pest Control and Integrated Pest Management. McAdams Hall Auditorium. Sponsored by Division of Agriculture and Natural Resources (Jere Brittain, 656-3410).

14

Last day to preregister for spring semester.

General Faculty/Staff Meeting. 10 a.m., Tillman Hall Auditorium (656-3243).

Meeting:
Women in Higher Education Network — "Accessories for the Holidays" by Home Economist Judith Kline. Noon-1 p.m., Clemson Ramada Inn, free. (Cairen Withington, 656-3374).

15

Graduation. 11 a.m., Littlejohn Coliseum.

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Assistant Vice President, University Relations ..... Margaret Pridgen

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Clemson WEEKLY

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Staff Commission proposes compensation package

The Commission on Classified Staff Affairs has proposed that a new employee compensation package be presented to the State Legislature next year based on the results of a recent University-wide survey.

Based on the responses of 1,195 employees, the Commission recommends:

• That all classified employees receive a cost-of-living increase matching the state's inflation rate;

• That a new merit-rating system based on three percent of an employee's base salary be implemented;

• That a $25 a year longevity plan be implemented starting at an employee's fifth year of service to the state.

"This is a package with three equal components; not a prioritized 'wish list,'" says Commission Chairman John Clemens.

"The Commission wanted to create a well-balanced package to reward employees for outstanding performance and years of service, while at the same time allowing them to keep pace with state's economy," he says, "and the Commission feels this package will do that."

Clemens says the administration supports the package and that it may be presented to the State Legislature early next year.

Child care

The Commission also has declined to endorse the University's child-care proposal as written.

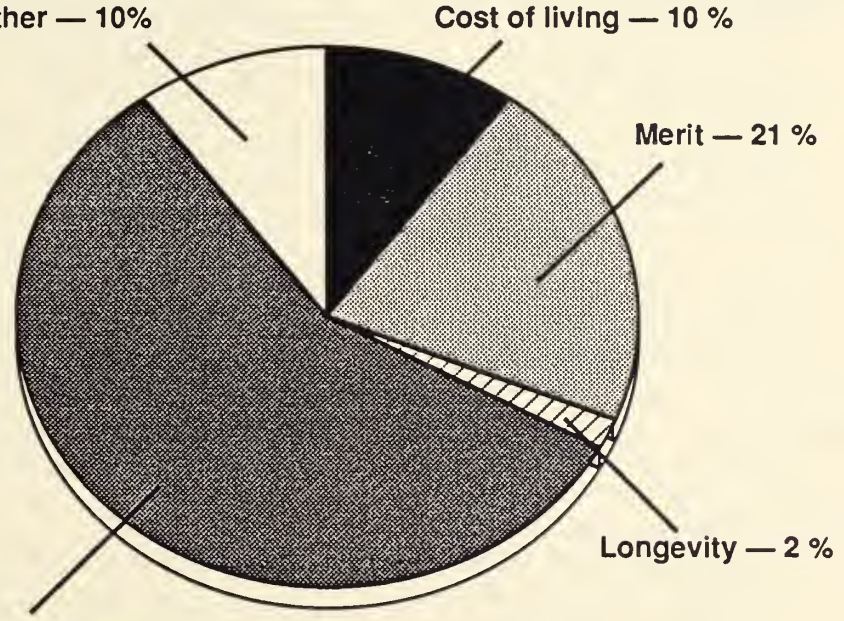
"The original concept for the University child-care center was that it would provide some kind of benefit to employees, such as being located on campus or charging reduced rates more affordable to lower-income employees," said Clemens.

"While the Commission appreciates all the hard work the child-care committee has put into this project, we see no immediate, tangible incentives available to University employees."

Clemens cited recent Commission polls which indicate that an on-campus location and more affordable rates are employees' major concerns.

Next meeting

The Commission's next meeting is Tuesday, Dec. 16, at 10 a.m. in Room 113 Lehotsky Hall.



How you feel about your paycheck...

Here's how the nearly 1,200 employees responding to a recent Staff Commission survey answered the question: If you could choose, what would your next raise be based upon?

Of the individual options presented, "merit" was rated highest at 21 percent; however, 57 percent chose the combination option of "merit and longevity."

Don't Forget...

A general faculty/staff meeting will be held Wednesday, Dec. 14, at 10 a.m. in Tillman Auditorium.

Briefly

Dates to remember ...

The last issue of *Clemson Weekly* for this year will be next Wednesday, **Dec. 14**.

Graduation will be held Thursday, **Dec. 15**, at 11 a.m. in Littlejohn Coliseum.

The University will close **Dec. 22** and will reopen **Dec. 28**.

WHEN meets Dec. 14

The Women in Higher Education Network will meet Wednesday, Dec. 14, at the Clemson Ramada Inn.

The guest speaker will be Judith Kline, associate professor of home economics. Her topic will be "Accessories for the Holidays."

For more information, call Cairen Withington at 656-5785.

Special events checklist can make planning easier

If you're planning a special event at the University and want to make sure you've covered all the bases, order a special events checklist from the Alumni Center to make your job easier.

The checklist includes reminders for:

- locations,
- guest lists,
- menus,
- decorations,
- transportation,
- invitations, and
- publicity.

There also is a list of key people and places to call when you want to use campus services.

For more information, call Bonnie Dixon at 656-2345.

Clemson ranks nationally in advanced placement

Clemson ranks 29th in the nation this year in awarding advanced placement credit to freshmen.

The University set records for the number of students presenting advanced placement scores (1,307) and the total number of credit hours awarded (6,286).

Cornerstone displayed

The Tillman Hall Cornerstone exhibit will be on display in the Cooper Library lobby Dec. 9 - March 8.

The exhibit will feature items found inside the cornerstone when it was removed earlier this year, including newspapers and coins from the late 1800s.

The exhibit is sponsored by Cooper Library's special collections unit. For more information, call Mike Kohl at 656-3031.

Pest control to be discussed

A symposium on Biological Pest Control will be held Dec. 13-14 in McAdams Hall Auditorium.

The symposium is sponsored by the Division of Agriculture and Natural Resources. For details, call Jere Brittain at 656-3410.

Students plan city's growth

Nine Clemson architecture students recently worked with representatives of other professions as team members for the American Institute of Architect's 100th Rural/Urban Design Assistance Team project.

In an intensive five-day session, architects, planners and community leaders worked to plan the quality and physical pattern for growth in the city of Spartanburg.

CLEMSON NEWSMAKERS

Early American Life plans to run a feature on English Professor Jack McLaughlin's book, "Jefferson and Monticello," in the March/April issue.

Architectural Record also is planning to review the book in an upcoming issue.

McLaughlin's book was nominated for a National Book Award.

...

Lewis Duncan, associate dean for research and graduate education in the College of Sciences, is co-author of an article that appeared in the Nov. 18 edition of *Science* magazine.

The article features research findings on electromagnetic waves beamed into the ionosphere from ground-based transmitters.

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Clemson WEEKLY
Vol. 28, No. 22 Dec. 14, 1988
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Largest cash gift will benefit students, businesses

The largest cash gift in Clemson history will establish a professional communication center here to benefit University students and the state's business community.

The gift of $1.5 million by R. Roy Pearce, president of Roy Pearce Associates and secretary of Budweiser of Columbia, will endow the R. Roy and Margery W. Pearce Center for Professional Communication, a class of 1941 initiative.

Pending approval by the S.C. Commission on Higher Education, the center will concentrate on improving the communication skills of students in all disciplines and and providing assistance to state businesses through effective communication.

"The Pearce Endowment will provide a focal point for the study of the essence of professional success — the ability to communicate effectively."

President Max Lennon

"The Pearce Endowment will provide a focal point for the study of the essence of professional success — the ability to communicate effectively," said President Max Lennon.

For students, Lennon said, the center will focus on strengthening total communication skills in all disciplines (including listening, reading, speaking and writing), critical thinking and problem solving.

For the business community, the center will provide workshops and seminars on communication skills, consultation services to individual businesses, assessment and research services, and development and review of project proposals.

The center, which will be housed in the College of Liberal Arts, will coordinate aspects of ongoing University programs in communication such as:

- the Campbell Chair in Technical Communications;
- Advanced Placement Teacher Institutes for high school teachers;
- the Clemson Writing Project;
- the Bread Loaf Rural Writing Network;
- Project REACH (Rural Education Alliance for Collaborative Humanities).

Pearce, who received an honorary doctorate from Clemson in 1986, is president of the class of 1941 and heads its drive to raise a minimum of $5 million for the University in memory of classmates who died in World War II.

His gift will help complete that goal by the class's 50th reunion in 1991.

Clemson Scholars program to bring state's best students here next fall

Under the new "Clemson Scholars" program, established to recognize outstanding South Carolina students, the top college-bound senior in every public high school in the state will be guaranteed admission here next fall with academic fees paid in full.

Admissions Director Michael Heintze says the program is being initiated now in cooperation with each of the state's public high schools.

"Our objectives are to attract and retain South Carolina's best students and to increase minority enrollment," he says.

Financial Aid Director Marvin Carmichael says the four-year renewable scholarships, valued at $2,100 annually based on current costs, will complement existing scholarship programs.

"Students will be eligible for other scholarships; however, total financial aid will not exceed the total cost of attending Clemson," he says.

"The scholarship will be renewed each year if the student maintains an above-average academic record."

Eventually, the new scholarship program is to be funded through private support sources, such as regional Clemson Club initiatives and other gifts.

Under the program, each high-school principal designates that school's scholarship recipient based on academic records at the end of the junior year.

If the top senior is not a minority student, a similar scholarship also will be given to the top-ranking minority senior.

Duke Power executive to address graduates Dec. 15

Duke Power Co. Executive Vice President Warren H. Owen will address the University's winter graduates and will receive an honorary Doctor of Laws degree Dec. 15, during Clemson's third Centennial graduation ceremonies.

Approximately 970 candidates for graduation are scheduled to receive bachelor's, education specialist, master's and doctoral degrees during the 11 a.m. ceremony in Littlejohn Coliseum.

In addition, The President's Award will be presented to Clemson alumnus R. Roy Pearce.

Pearce, a Columbia businessman, is president of the Clemson Class of '41 and chairman of its drive to raise a minimum of $5 million for the university in memory of classmates who died in World War II.

Owen, a member of the Class of '47, is serving his second term as president of the Clemson Alumni Association. He also has served on the College of Engineering Advisory Board.

The Rock Hill native earned his bachelor's degree in mechanical engineering and graduated with high honors.

As executive vice president, Owen directs all Duke's power production activities, including plant design, construction and operation.

Last month, representatives of Duke Power employees who are Clemson alumni voted to name a distinguished professorship at Clemson in honor of Owen. The professorship will be funded by the Duke Power Employee Endowment, announced in October.

Owen is a registered professional engineer in North and South Carolina.

He also is a Fellow in the American Society of Mechanical Engineers and a member of many engineering organizations.

Briefly

Retiring? Let Personnel help

If you're retiring within the next 12 months, you may want to attend either of the Jan. 26 retirement planning meetings in the Senate Chambers.

Sponsored by the Personnel Office, the meetings will be held at 8:30 a.m. and 1 p.m. The information in each will be the same.

Representatives from the S.C. Retirement System, the Social Security Administration and the Payroll/Insurance Office will be available to provide information and answer questions.

If you are retiring in 1988, you should request your retirement benefits estimates by Dec. 21.

For more information, call Frances Holliday at 656-3367 or Dick Simmons at 656-3358.

Secretaries, mark Jan. 3 on your calendars

The first Certified Professional Secretaries spring review course in Office Administration begins Jan. 3.

Other courses to be offered this spring are behavioral science and accounting.

For registration information, call Pat Durham at 656-3917 or Lois Driver at 656-3264.

Look for conference on conferences Jan. 25-27

If you're interested in learning effective ways to host important events, let the residential services staff of the Clemson House show you how through "Hosting Conferences and Events Southern Style" Jan. 25-27.

The conference will feature experts from across the Southeast who specialize in planning and arranging conferences and events.

To register, call Libby McGill at 656-4403 by Monday, Jan. 16. Registration fee is $20.

The conference is organized by the Association of Conference and Events Directors International, Region 9.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams
Assistant Vice President, University Relations ..... Margaret Pridgen

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, Dec. 30 for Jan. 18 Issue.**

Departmental notes

Agricultural Economics and Rural Sociology

B.L. Dillman (Prof) presented "Framework for Evaluating Land Retention Programs" in a workshop on Land Use Transition in Urbanizing Areas, Research and Information Needs, June 7 in Washington, D.C.

M.S. Henry (Prof) published "Southern Farms and Rural Communities: Developing Directions for Economic Research and Policy" in the Southern Journal of Agricultural Economics, July, Vol. 20, No. 1.

Henry also was co-author of four chapters in Rural America in Transition.

Henry presented papers at the following meetings:

"Cost Sharing to Preserve a Natural Resource Endowment: The Case of Beach Nourishment of a Barrier Island" at the 28th Annual Meeting of the Southern Regional Science Association in Morgantown, W. Va., April 14.

"Urban-Rural Linkages in Southern Economic Development" at the 63rd Annual Meeting of the Western Economic Association in Los Angeles, July 1.

Agricultural Engineering

A tobacco harvester modified for vegetable production was featured during a vegetable field day June 9 at the University's Pee Dee Research and Education Center.

The harvester was designed by Clemson agricultural engineers for several operations including land preparation, planting, cultivation, spraying and harvesting. Those involved from the department were: **C.E. Hood** (Prof), **J.G. Alphin** (Prof), **T. Garrett** (Inst), **G.D. Christenbury** (Prof), **C. Alper** (Prof), and **F. Wolak** (Assoc Prof).

Roy Young (Prof) presented a paper at the National ASEE meeting in Portland, Ore., June 20 on "Designing Agricultural and Biological Engineering Curricula for Relevance to the Future," with **T.H. Garner** (Prof) and **C.L. Weller** (Asst Prof).

D.L. Roberts (Prof) presented the papers "Getting More From Your Professional Work by Publishing" and "Using a Computer Program to Aid Your Writing" at the National Institute for Farm Safety Annual Meeting in Edmonton, Alberta, Canada, June 19-23.

G.D. Christenbury (Prof), L.M. Williamson, **J.E. Albrecht** (Prof), and Jesse Adams presented the paper "Cost Effectiveness of Environmental Control for Swine" at the International Livestock Environment Symposium, Toronto, Ontario, Canada, April 25-27.

The following papers were presented at the American Society of Agricultural Engineers (ASAE) Summer Meeting, Rapid City, S.D., June 27-29:

"Free Radicals to Simulate Convective Transport and Uptake of Oxygen," **D.E. Brune** (Assoc Prof), **J.A. Collier** (Assoc Prof) and **Y.J. Han** (Asst Prof).

"Growth Response of Fingering Catfish to Sheltered Feeding Areas," **J.A. Collier** (Assoc Prof) and **T.E. Schwedler** (Assoc Prof).

"Low Cost Heat Exchanger for Aquacultural Systems," **J.A. Collier** (Assoc Prof), **T.E. Schwedler** (Assoc Prof).

"Irrigation of Poultry Processing Plant Wastewater," **R.K. White** (Prof), E.A. Myers, and B.L. Amick.

"Cotton Seed-Coat-Fragment Potential and Lint Quality," **J.D. Bargeron** (Grad Stu), and **T.H. Garner** (Prof).

"A Device to Inject Propionic Acid into Baled Forage," **A. Khalilian** (Assoc Prof), **M. Worrell** (Asst Prof) and **D.L. Cross** (Prof).

"Development of a Towed Cucumber Harvester," **T.H. Garner** (Prof), **G.D. Christenbury** (Prof) and **E.G. Humphries** (Prof).

"Performance Characteristics of Evaporative Vegetable Cooler for the Southeast," **G.D. Christenbury** (Prof) and **J.W. Rushing** (Asst Prof).

"Structural Methods for Cooling Dairy Cows in the Southeast," **C.L. Barth** (Prof).

"Measuring Crop Residue Cover Using Image Processing," **Y.J. Han** (Asst Prof) and **J.C. Hayes** (Assoc Prof).

"Energy Reduction in a Cage Reared Broiler Facility," **W.H. Allen** (Prof) and **B.H. Hughes** (Prof).

Aquaculture, Fisheries & Wildlife

Timothy T. Fendley (Prof) received the S.C. Chapter of The Wildlife Society's award for outstanding wildlife research at the chapter's annual meeting June 23. The award was presented to him for his contributions to wildlife research, including major national and international publications.

Bioengineering

Christopher L. Vaughan (Assoc Prof) attended the 12th annual meeting of the American Society of Biomechanics in Urbana-Champaign Sept. 28-30. He presented a paper titled, "Effect of Rhizotomy Surgery on Selected Kinematic Gait Parameters," which was co-authored by **Noel Eldridge** (Grad Stu).

At this meeting, Vaughan's latest book The Biomechanics of Sport was released by CRC Press of Boca Raton, Florida.

Biology

Jean Dickey (Asst Prof) and **Robert Kosinski** (Assoc Prof) have received a $63,183 grant from the U.S. Department of Education for the second year of a FIPSE grant titled

"Investigative Learning: A Plan for Laboratory Education."

Building Science

Roger W. Liska (Head) and **Judith Morrison Liska** (graphic artist, Agricultural Communications) co-authored Handbook of Building and Plant Maintenance Forms and Checklists, released October 1988, by Prentice-Hall publishers.

Liska also presented a training session for prospective visiting team members of the American Council for Construction Education at the annual meeting of the National Association of Women in Construction Sept.17 in Toronto, Canada. Liska serves as vice president of ACCE.

Liska and **Steve D. Schuette** (Assoc Prof) taught a one-day seminar on Construction Management to the N.C. Chapter of the American Institute of Architects in Raleigh, N.C., Sept. 15.

Norman L. Book (Prof) received a full fellowship from the Associated Collegiate Schools of Architecture to attend the 1988 ACSA Construction Materials and Technology Institute at Massachusetts Institute of Technology, July 16-20.

Ceramic Engineering

Burt Lee (Prof) and **S. Y. Park** (Grad Stu) attended a composite conference at Cocoa Beach, Fla., to present a research paper on '"Reaction Sintering of Gel-Derived Ceramic Composites."

Lee has given several invited lectures on Clemson's superconductor research to IEEE, Greenville Chapter; ASME, Piedmont Chaper; Seneca High School, and Southern College, Tenn.

In April, **Lee** attended an International Conference on Superconductors at the University of Alabama, Tuscaloosa, to present a paper on "Superconducting Wire Fabrication."

Lee also was invited to Washington, D.C., by the National Science Foundation to help evaluate proposals to establish Science and Technology Centers.

In May, **Lee**, **Park** and **V. Hodz** (Grad Stu) and **Y.S. Lim** (Grad Stu) presented papers on superconducting carbon pitch for carbon fibers, and ceramic composites, respectively, at the American Ceramic Society Annual Convention in Cincinnati, Ohio.

In June, **Lee** was invited to Chicago by NSF to help the proposed Science and Technology Center.

In July, **Lee** and **Lim** attended a Carbon Conference in Buffalo, N.Y., and presented a paper on "Chemistry of Petroleum Pitch for Carbon Fibers."

Lee has received an Engineering Research Initiation Award From the National Science Foundation to carry out research on metal oxide powder dispersion.

Lee also has received a grant from the American Chemical Society to help a high school student in chemistry. This summer, Sandra Haymond from Seneca High School was chosen to work on an examination of mesophase microstructure.

Chemistry

J.L. Resce (former Grad Stu) and **J.C. Fanning** (Prof) were co-authors of a paper titled "Structure of the Fe(salen) 0 NO2 Dimer, a Ferric Complex with an Unidentate Nitrate Ligand," which appeared in Acta Crystallographica, Vol. C43, pages 2100-2104, 1987. The other co-authors were staff members at the Frederick Cancer Research Facility in Frederick, Md.

Darryl DesMarteau (Head) was co-chairman of the 12th International Symposium on Fluorine Chemistry held in Santa Cruz, Calif., Aug. 7-12. More than 600 individuals from 27 countries attended.

The following also presented papers at the meeting:

S.H. Hwang (Grad Res Asst) presented "The Characterization and Reactions of Trifluoromethanesulfonyl Cyanide."

Stefan P. Kotun (Grad Res Asst) presented "Synthesis and Chemistry of Fluorinated Alkoxyimines: Hindered Inversion About Nitrogen in N-Halo Derivatives" and "Ring-Opening Reactions of Fluorinated Heterocycles with Strong Acids."

Alessandro Malacrida (Vstg Instr) and **Letanzio Bragante** (Vstg Schol) presented "SbF5-Induced Dimerization and Trimerization of Perfluoro-N(trifluoromethy1)-1,2-oxazetidine."

Walter Navarrini (Vstg Instr) presented "A Novel Oxaziridine: Synthesis and Reactivity of (CF3)2N-CF - N-CF3."

Bruce B. Randolph (Asst Prof) presented "Preparation, Characterization and Reactions of Some New Perfluoroalkylhypochlorites and Fluoroxy Compounds."

Michael Witz (Vstg Instr) presented "The Uses of N-Fluoro-Bis [(Trifluoromethyl)Sulfonyl]- Imide in Organic Chemistry."

S.Z. Zhu (Asst Prof) presented "The Synthesis of Tris(Perfluoroalkanesolfonyl)Methanes" and "The Synthesis and Chemistry of l,l-Dihydrogen-a, w-Disulfonyl Cycloperfluoroalkanes."

R.A. Abramovitch (Prof), Sir Derek Barton (Texas A & M University) and J. P. Finet (Universite d'Aix-Marseille, France) published "Newer Methods of Arylation" in Tetrahedron, 1988, Vol. 44, 3039-3071.

Killian Dill (Assoc Prof) published a review of Vol. 19 of the Annual Reports on NMR Spectroscopy in the Journal of the American Chemical Society.

Dill, **S. Hu** (Grad Stu), A. R. Katritzky (Kenan Professor, University of Florida), and M. Sutharchanadevi (Grad Stu, University of Florida) published "New Method of Blocking Lysyl Residues of Proteins using 4- (4-methoxy-3-sulphopheny1)-2,6-bis(4-sulphophenyl)pyrylium perchlorate" in the Journal of Biochemical and Biophysical Methods.

Gregory H. Robinson (Asst Prof) has been awarded a $24,000 supplemental grant from the National Science Foundation for his project

"The Design, Synthesis and Evaluation of Optically Active Aluminum Alkyl-Crown Ether Based Inclusion Compounds: A Case of Optical Resolution." The entire award now totals $176,188.

Thomas Tisue (Assoc Prof) and co-authors D.N. Edgington (Univ. of Wisconsin-Milwaukee) and C.A. Seils (Argonne National Laboratory) published "Sulfate Reduction in Sediment Interstitial Fluids in Lakes Michigan and Erie" in Journal of Great Lakes Research, Vol. 14(1) 14-22 (1988).

Civil Engineering

P. B. Zielinski (Prof, Dir of Water Resources Research Institute) has been named chairman-elect for the National Association of Water Institute Directors for 1988-89. Zielinski has served as secretary-treasurer of the organization for the past two years.

Computer Science

Philip J. Bernhard (Asst Prof) gave a poster presentation Oct. 10 at the 1988 Symposium on the Frontiers of Massively Parallel Scientific Computation.

The paper, titled "An Efficient Method for the Representation and Transmission of Message Pattems" by **Bernhard** and Daniel J. Rosenkrautz, will appear in "Proceedings of the Frontiers '88: Massively Parallel Computation."

A. Jeff Offutt (Asst Prof) presented a paper titled "Experimental Results of Automatically Generated Adequate Test Sets" with R. A. DeMillo of Purdue University at the 6th Annual Pacific Northwest Software Quality Conference in Portland, Ore., Sept. 19.

A.J. Turner (Head) has been appointed Chairman of the Education Board of the Association for Computing Machinery (ACM).

Dairy Science

J.F. Dickey (Prof) chaired a section in physiology on "Estrous Detection and Reproductive Management" at the annual meeting of the American Dairy Science Association, University of Alberta, Edmonton, Alberta, Canada, June 26-29.

B.F. Jenny (Prof) presented "Responses of Dairy Cows to Recombinant Bovine Somatotropin in a Sustained Release Vehicle" at the annual meeting of the American Dairy Science Association, University of Alberta, Edmonton, Alberta, Canada, June 26-29.

F.E. Pardue (Prof) attended the College Dairy Feed Conference board meeting in Nashville, Tenn., Aug. 2-3 and reported on research and Extension activities from the department during the past year.

M.E. Richardson (Asst Prof), **A.B. Bodine** (Prof), **D.P. Froman** (Assoc Prof) and **R.J. Thurston** (Prof) published "Turkey Acrosin. I. Isolation, Purification, and Partial Characterization" in the Biology of Reproduction 38:645-651 (1988).

Richardson attended the Southeastern Electron Microscopy Society Annual meeting in Athens, Ga., May 18-20 and chaired a session.

Richardson, Dickey, J.A. Russler (Grad Asst), **K.A. Ivey** (Tech), **B.J. Senn** (Grad Asst) and **M.A. Dimmick** (Grad Asst) published "Effects of Replacing Bovine Serum Albumin in Culture Media on in vitro Development of Bovine Embryos" in the Journal of Animal Science, 66(Suppl. 1): 424 (1988).

D.T. Vines (Assoc Prof) and **R.E. Wright** (Prof) presented "Survey of Bacterial Flora by Culture of Quarter Milk Samples from 16 South Carolina Dairy Farms" at the 1988 annual meeting of the American Dairy Science Association, University of Alberta, Edmonton, Alberta, Canada, June 26-29.

Economics

Bruce Yandle (Prof) and **Richard Meyer** (Assoc Librarian) published a paper on "The political economy of acid rain," in the Cato Journal 7/2:527-545 (Fall 1987).

Electrical and Computer Engineering

A. Wayne Bennett (Head) organized and chaired a session on "The Simulation of Computer Communication Systems" at the 12th World Congress of the International Association of Mathematics and Computers in Simulation, held in Paris, France, July 18-22. The session included papers from Clemson and four other U.S. universities.

The paper from Clemson was titled "Issues in Simulation of Rapidly Reconfigurable Networks" and was co-authored by **James F. Leathrum** (Prof), **Joseph L. Hammond** (Prof), **John D. Spragins** (Prof), **David Tipper** (Asst Prof) and **Bill Overstreet** (Grad Asst).

Elementary and Secondary Education

M.S. Crosby (Asst Prof) was featured in Minorities and Women In Business magazine as "Women Who Make A Difference," (February 1988).

Crosby presented the proposal "The College Selection Process: An Imperical Model" at The Management Sciences/ Operations Research Society of America Conference, Washington, D.C., May 26.

Don Fuhr (Assoc Prof) published "Ten Sure Ways to Kill Leadership" in the September 1988 issue of The School Administrator, a publication of the American Association of School Administrators.

Fuhr spoke at the National Association of Elementary School Principals convention held in San Francisco in April. The title of the presentation was "Anchoring to the Strongholds of Success as an Elementary School Principal."

As a goal of the S.C. Education Improvement Act, School Improvement Section, **Fuhr** was one of several educators selected by staff de-

velopers throughout the state as a recommended speaker for school districts.

William H. Leonard (Prof) published "What Research Says About Biology Laboratory Instruction" in the May 1988 issue of the American Biology Teacher.

Leonard and **Sam Buckner** (Assoc Prof) received an $84,000 grant for a project titled "Rapid Certification of Minorities for a Career in Science or Mathematics Teaching" from the S.C. Commission on Higher Education.

Energy Research and Development Center

Lawrence P. Golan (Dir) is chairman of a seven member task force appointed by the S. C. Department of Health and Environmental Control to study waste energy recovery at the Savannah River Plant. The task force will concentrate on waste heat utilization from the new production reactor via co-generation. If waste energy recovery is possible, it will limit the need for fossil fuel combustion and the associated environmental degradation.

College of Engineering

J. Charles Jennett (Dean) will serve on the S. C. Department of Health and Environmental Control (DHEC) Board Task Force. The task force was established to determine the feasibility of alternative uses of the new production reactor at the Savannah River Plant.

English

Roger Rollin (Lemon Prof) read and discussed three short papers on issues concerning pornography at the 1988 meeting of the Popular Culture Association in the South Oct. 6-8 in Knoxville, Tenn.

Rollin also organized and chaired a session featuring **Richard Bynham Jr.** (Master of Architecture, Clemson, 1988): "Designing a New Center for the Study of Popular Culture."

Rollin also published the essay "The Name of The Rose as Popular Culture" in Naming the Rose: Essays on Eco's "The Name of The Rose" (Jackson: University Press of Mississippi, 1988), pp. 157-172.

Richard J. Calhoun (Alumni Prof) wrote "Poetry: The 1940s to the Present" included in David Nordloh, ed., American Literary Scholarship An Annual/1986 (Durham, NC: Duke University Press, 1988), pp. 325-352.

Calhoun also wrote "Archibald MacLeish's J.B.—Religious Humanism in the 80s" included in Bernard A. Drabeck, ed., The Proceedings of the Archibald MacLeish Symposium (Greenfield, MA: University Press of America, 1988), pp. 78-87.

Sterling Eisiminger (Assoc Prof) published two poems in Catalyst, 1988.

John Idol (Prof) served as a review panelist for the National Endowment for the Humanities, Washington, D.C., and as program organizer for the ninth annual meeting of the Thomas Wolfe Society, Asheville, N.C..

Idol reviewed David Herbert Donald's biography of Thomas Wolfe for The South Carolina Review.

Idol published "Thomas Wolfe and Marjorie Kinnan Rawlings" in Thomas Wolfe at Eighty-Seven, edited by H. G. Jones.

Idol chaired a session at the Nathaniel Hawthorne Society Conference at Harvard University.

Carol Johnston (Assoc Prof) published "Thomas Wolfe: Detailing a Literary Career" in Thomas Wolfe at Eighty- Seven (Chapel Hill: North Caroliniana Society and the North Carolina Collection, 1988), pp. 9-19.

Johnston also reviewed Joel Myerson's The Brook Farm Book in The Nathaniel Hawthorne Review, 14 (Spring 1988), 19.

Johnston also read "Thomas Wolfe's First Triumph: 'An Angel on the Porch'" at the ninth annual meeting of The Thomas Wolfe Society, Asheville, N. C., May 14.

R.W. Moran (Asst Dean) published "The Image of 'America' in the California/Whitman Poems of Louis Simpson" and an excerpt from "Time of Heterogeneity: A Chronicle of Fifteen" in On Louis Simpson: Depths of Happiness. Ed. Hank Lazer. Ann Arbor: University of Michigan Press, 1988, pp. 233-44 and 66-67.

Moran also published "Symbolic Acts" in Caesura, 6 (1988), p. 31.

Entomology

T.M. Brown (Prof), **P.K. Bryson** (Res Spec II), T. Konno (NC State Univ) and W. C. Dauterszn (NC State Univ) presented the poster "Insecticide Resistance Mechanisms in the Tobacco Budworm" at the Second International Meeting of the International Society for the Study of Xenobiotics in Kobe, Japan, May 19.

Brown presented the invited lecture "Surveillance for Resistance in Heliothis virescens in the USA" to Sumitomo Chemical Co. Ltd., Takarazuka Research Center, Japan, May 24.

Clyde S. Gorsuch (Prof) has been selected as the Southeastern Branch, Entomological Society of America nominee for the Distinguished Achievement Award in Extension.

R.P. Griffin (Assoc Prof) presented the invited paper "Effects of Spray Tank Water pH on Pesticide Efficacy" to the annual meeting of the Florida Entomological Society in Clearwater Beach, Fla., Aug. 2-5.

P.M. Horton (Prof) received an award from the U.S. Environmental Protection Agency for his work in the National Pesticide Applicator Certification and Training Program. In making the award, John A. Moore, Assistant Administrator for EPA's Office of Pesticides and Toxic Substances, cited Horton's contributions and leadership in national programs such as the Joint EPA-USDA State Program Review and his service as interim National Program Leader for Pesticide Applicator Training with the Extension Service, USDA.

Yang Lian-fang (Vis Scholar)

and **John C. Morse** (Prof) published a book-length revision titled "Ceraclea of the People's Republic of China (Trichoptera: Leptoceridae)" in Contributions of the American Entomological Institute.

Morse also published a paper titled "A New Species of Ceraclea (Athripsodina) (Trichoptera: Leptoceridae) from Lake Tanganyika" in Revue de Zoologie Africaine.

Experimental Statistics

W. C. Bridges Jr. (Assoc Prof) and S. J. Knapp (Oregon State University) published "Parametric and Jackknife Interval Estimator for Two-Factor Mating Design Variance Ratios" in Theoretical and Applied Genetics 76(3): 385-392.

Bridges also published "Expert Systems for Design and Analysis of Experiments" in Statistical Consultant and presented "Analysis of the Relationship of Quantitative Traits and Molecular Markers" at the annual meeting of the NCR-21 Technical Committee on Quantitative Genetics in Minoqua, Wis., July 12.

Extension Home Economics

Glynnis M. Couchman (Assoc Prof) presented two papers at the National Conference on The Adult Learner May 23-25 in Columbia. The papers were a research presentation, "Midlife Women: Predicting Labor Force Participation For Three Cohorts," and a research-based program, "Clemson University Cooperative Extension Service Responds to Occupational Transition."

L.L. Gardner (Assoc Prof) was an invited reactor to "Health Consequences of Interior Condensation" at the Symposium on Condensation and Related Moisture Problems in the Home, held in Newport, R.I.

Gardner, B.J. Griffin (Prof) and **R.A. Spray** (Prof) presented a refereed poster session at the technology transfer symposium sponsored by the American Association of Housing Educators, Building Thermal Envelope Coordinating Council, and Small Homes Building Research Council.

Gardner also attended the national conference of the American Home Economics Association in Baltimore in June.

C.T. Mounter (Prof) presented "Leadership Development: One State's Approach" at the Leadership Development Seminar July 10 in Charlotte, N.C.

Mounter also served as co-chair in planning and conducting the seminar.

Mounter is coordinator of the Family Community Leadership project, which has received a $50,000 grant from the W. K. Kellogg Foundation through co-sponsors, S.C. Extension Homemakers Council and the Clemson University Cooperative Extension Service.

Mounter co-chaired the Extension Professionals' section meeting at the National Extension Homemakers Council Convention July 11 in Charlotte, N.C.

Mounter attended the American Home Economics Association meeting in Baltimore in June participating as a member of the cooperative relations committee.

Facilities Maintenance and Operations

Mike Faires (Dir) was elected vice president for long range planning at the annual meeting of the Southeastern Regional Association of Physical Plant Administrators of Universities and Colleges held at Rhodes College in Memphis, Tenn., Sept. 25-28.

Also at the meeting, **C. Gary Pringle** (Assoc Dir) made a slide presentation on the background, history and opening of the Tillman Hall cornerstone.

Forestry

R.A. Harris (Assoc Prof), **M.A. Taras** (Head) and **J.H. Syme** (Instr) published "The Correlation Between Green Density and the Occurrence of Honeycomb in Kiln-Dried Red Oak Rounds" in Forest Products Journal 38(7/8):64-66.

D.D. Hook (Prof), M.M. Murray (USDA Forest Service), D.S. DeBell (USDA Forest Service), and B. C. Wilson (Washington State Dept. of Natural Resources) published "A Technique for Assessing the Influence of Shallow Water Table Levels on Red Alder (Alnus rubra Bong.) Family Performance" in Proceedings of the Society of Wetland Scientists' Eighth Annual Meeting, May 26-29, 1987, Seattle, Wash.

Hook published "Criteria for Creating and Restoring Forested Wetlands in the Southern United States" in Proceedings, Increasing our Wetlands Resources Conference, sponsored by the National Wildlife Federation—Corporate Conservation Council, Oct. 4-7, 1987, Washington, D.C.

D.J. Lipscomb (Forest Dir) and **T.M. Williams** (Assoc Prof) published "A Low-Cost, Map-Based Data Retrieval System for Forest Managers" in American Congress on Surveying and Mapping - ASPRS Convention Technical Papers, Sept. 11-16, Virginia Beach, Va.

G.W. Wood (Prof) published "The Southern Fox Squirrel at Brookgreen Gardens" in Brookgreen Journal Vol. 28, No. 3.

Wood published "Effects of Prescribed Fire on Deer Forage and Nutrients" in Wildlife Society Bull. 16:180-186.

S.M. Jones (Asst Prof) and **M.K. Augspurger** (former Ag Sci Assoc) published "Seed Germination and Phenology of Shortia galacifolia T.&G. (Diapensiaceae)" in Castanea 53:140-148.

D.H. Van Lear (Bowen Prof) and others published "Effects of Whole-Tree and Stem-only Clearcutting on Post-Harvest Hydrologic Losses, Nutrient Capital and Regrowth" in Forest Science 34:412-428.

Van Lear presented the paper "Nitrogen Pools and Processes During Natural Regeneration of Loblolly Pine" at the 7th North American Forest Soils Conference July 24-28 in Vancouver, British Columbia. **Peter Kapeluck** (Ag Sci Assoc) co-authored the paper.

J. E. Gunter (U. of Georgia) and **G. D. Kessler** (Prof) published "Reforestation Tax Incentives Still Available" in Forest Farmer 47(8):14,30.

D.N.-S. Hon (Prof) published "Cellulose: a Wonder Material with Promising Future" in Polymer News 13:134-140.

J.E. de Steiguer (U.S. Forest Service) and **R.L. Hedden** (Prof) published "Effects of Aerial Detection Schedules on the Age of Southern Pine Beetle Infestations" in Forest Science 34(1):229-235.

D.L. Ham (Prof) edited and photographed "Careers in Arboriculture," a pamphlet published by the International Society of Arboriculture and National Arborist Association.

T.M. Williams (Assoc Prof) and **C.A. Gresham** (Assoc Prof) edited "Predicting Consequences of Intensive Forest Harvesting on Long-Term Productivity by Site Classification," proceedings of a workshop held at Hobcaw Barony, Baruch Forest Science Institute, Georgetown, S.C., Oct. 2-9, 1987. (IEA/BE Project A3, Report No. 6 Baruch Forest Science Institute of Clemson University.)

L.R. Nelson (Asst Prof) published "Herbicides for Forestry" as Clemson University Coop. Ext. Serv. Forestry Notes No. 20 (revised) 49 pp.

History

J.L. Arbena (Prof) published a review of William J. Baker and James A. Mangen, eds., Sport in Africa: Essays in Social History, in the Journal of Sport History (Summer 1988).

Arbena also reviewed Work, Wages, and Welfare in a Developing Metropolis: Consequences of Growth in Bogota, Colombia, by Rakesh Mohan, in The Americas (October 1988).

Arbena chaired a session titled "The Process of Democratization" at the annual meeting of the Midwest Association for Latin American Studies in Bloomington, Ind., Oct. 20-22.

Arbena served as moderator and commentator for the session "Mosquera and Cartagena" during the fifth congress of the Association of Colombianists held in Cartagena, Colombia, Aug. 1-5.

Arbena is the editor of Sport and Society in Latin America: Diffussion, Dependency and the Rise of Mass Culture (Greenwood Press, 1988). He also contributed to that volume the essay "Sport and the Study of Latin American Society: An Overview."

Rameth Owens (Asst Prof) reviewed Freedom's Shore: Tunis Campbell and the Georgia Freedmen by Russell Duncan in the Alabama Review 41 (July 1988): 228-30.

Owens also presented a paper in June at the Southern Conference on Women's History, held at Converse College, on "Growing Up Female in the Rural South of the 1920s."

Jerome V. Reel Jr. (Vice Provost) served as program commentator on innovation of summer school programs and courses at the 68th Annual Meeting of the Association of University Summer Sessions Oct. 18, at Northwestern University in Chicago.

Richard M. Golden (Prof) reviewed Frederic J. Baumgartner's Change and Continuity in the French Episcopate: The Bishops and the Wars of Religion, 1547-1610, in Religious Studies Review, 14 (July 1988).

Golden reviewed Pierre Goubert's The Course of French History, in History: Reviews of New Books (Spring, 1988).

Horticulture

Members of the department attended the national American Society for Horticultural Science (ASHS) meetings held in East Lansing, Mich., Aug. 8-11:

The Horticulture Club won first Place - Outstanding Club Award. Faculty advisor is **J.W. Kelly** (Assoc prof).

M.B.T. Haque (Prof) received the "Outstanding Undergraduate Educator Award."

Regina Melton (Grad Asst) won first place in the Undergraduate Student Paper Competition for "The Influence of Bentazon on Hosta and Daylily," co-authored by **J.W. Kelly** (Assoc Prof) and **T. Whitwell** (Assoc Prof).

M.C. Bledsoe (Stu), as national collegiate president, presided over the Association of Collegiate Branches (ACB) Forum, the ACB Executive Board and the ACB Business Meeting.

J.D. Caldwell (Assoc Prof) presented the status report on the strawberry production situation for the southeastern region as part of the workshop on "Changing Strawberry Cultivar Situation in North America".

D.C. Coston (Prof) and **J.G. Williamson** (former Grad Asst) presented a poster "The Influence of Root Restriction on Developmental Characteristics on Peach Shoots."

D.R. Decoteau (Asst Prof) presented the paper "Yield of Fresh-Market Tomatoes as Affected by Plastic Mulch Color." Co-authors are P.G. Hunt and M.J. Kasperbauer, both with USDA In Florence.

H.A. Friend (Grad Asst) presented the paper "Isozyme Identification of Selected Prunus Species and F Hybrids and the Interpenetration of Isozyme Inheritance." Co-author is **B.B. Rhodes** (Prof).

R. G. Halfacre (Prof) chaired the ASHS Academic Standards Committee meeting.

J.R. Johnson (Asst Prof) made an oral presentation titled "Influence of Controlled release Nitrogen Fertilizers on Green Bunching Onion Production."

J.W. Kelly (Assoc Prof) co-authored a presented paper "The Effects of Temperature and Storage Time During Simulated Shipping on Miniature Pot Roses" with H.B. pem-

berton and M.L. Struthers of Texas A&M Univ.

M.F. Pogany (Grad Asst) presented the paper "Variation Among Tissue-cultured Plantlets Derived from a Chimeral Rhododendron." Major professor for this research presentation was **R.D. Lineberger** (Head).

M.J. McMahon (Grad Asst) and **A.J. Pertuit Jr.** (Assoc Prof) presented the poster "Effects of Chilling on Transpiration, CO2 Uptake, Chlorophyll Content, Chlorophyll Fluorescence, and Electrical Resistance in Episcia and Dieffenbachia."

"Effect of Chilling Requirement on Peach Tree Short Life Mortality" was presented as a poster by **W.C. Newall Jr.** (Ag Sci Assoc III), **D.W. Cain** (former Asst Prof) and **O.L. Reighard** (Asst Prof).

J.W. Adelberg (Res Asst) and **B.B. Rhodes** (Prof) spoke on "Somatic Embryogenesis and Organogenesis from Zygotic Embryos of Watermelon (Citrullus lanatus)."

R.D. Lineberger (Head) co-authored papers with some of his graduate students still at Ohio State. The papers presented were: (1) "Transformation of Three Processing Tomato Oenotypes by Agrobacterium tumefaciens" with M.E. Davis and A.R. Miller; (2) "Plantlet Regeneration from Asexual Embryos of Quercus rubra L." with V.M. Gingas: (3) "Morphological and Biochemical Examination of Possible in Vitro Rejuvenation in Paper Birch" with M.H. Brand: (4) "Influence of Copper on in Vitro Rooting and Subsequent Growth of Microcuttings of Paper Birch" with M.A. Arnold and D.K. Struve; (5) "Response of Elm Callus to Culture Filtrate of Ceratocystis ulmi and Correlation with Whole Plant Disease Reaction" with P.M. Pijut, S.C. Domir, and L.R. Schreiber.

Lineberger was invited to preside over the ASHS Plant Genetic Manipulation and Modification Working Group and the attendant business meeting. The session was titled "Selection for Genetic and Epigenetic Variation Through Tissue Culture."

Lineberger, as part of the Administrators' Working Group, also gave a presentation on "Integrating Biotechnology Into Traditional Horticulture Programs".

Industrial Education

Alfred F. Newton (Head) was elected to the board of directors for the Carolina Society for Training and Development (CSTD) at its fall conference in Charleston Sept. 28-30.

D.G. Tesolowski (Prof), E.L. Korth (deceased, Professor Emeritus, Auburn University), and J. J. Kaufman (Professor, University of Idaho) published "Creating a Comprehensive Plan for Computer Based Instruction in a Local Education Agency" in the Journal of Research on Computing in Education, 1988, 21(1), 51-89.

Tesolowski and G. L. Roth (Coordinator, Northern Illinois University) published "Identification and Verification of Microcomputer Competencies in Vocational Education" in The Journal of Vocational Education Research. 1988, 13(1), 95-116.

Industrial Engineering

James A. Chisman (Prof) chaired a session and presented a paper on "Traffic Planning Simulation Training Model" at the ORSA/TIMS conference on Solving Urban Problems: OR/MS in Action Oct. 23-26 in Denver.

Chisman also attended the annual meeting of the editorial board for The International Journal of Computers and Operators Research, of which he is a member.

Chisman edited and augmented the Civil War memoirs of John Porter which have been published by Broadfoot Publishing Co. (Wilmington, N.C.) under the title 76th Regiment Volunteer Infantry: Keystone Zouaves.

William G. Ferrell Jr. (Asst Prof) recently attended the 26th Joint National Meeting of the Operations Research Society of America and the Institute of Management Sciences, where he chaired a session on "Product Quality Considerations."

Ferrell also presented a paper (co-authored by Salah E. Elmaghraby, N.C. State University) titled "On the Impact of the System Dynamic Performance on Product Quality."

Joel Greenstein (Assoc Prof) was a visiting scholar at the 1988 Reliability Engineering Design Workshop conducted by the Center of Excellence for Reliability and Maintainability at the Air Force Institute of Technology, Wright-Patterson Air Force Base from July 18 to Aug. 12.

Biff Kennedy (Prof) gave a talk to the Pickens County Municipalities Association on "Industrial Engineering Applications in Local Governments" Sept.26.

Carl R. Lindenmeyer (Prof) attended a H. B. Maynard and Co. course June 16-17 and has been certified as a recognized instructor for the MOST (Maynard Operation Sequence Technique) University Program. He also received a grant of MOST computer software, tranining manuals, and videotapes valued at $20,000.

Uday Venkatadri (Grad Stu) was selected by the Institute of Industrial Engineers to receive the 1988 IIE Graduate Research Award. The award, for the best master's thesis in the country, was presented at the Institute of Industrial Engineer's Honors and Awards Banquet in Orlando, Fla., in May. This is the second year in a row this award has been given to an industrial engineering student from Clemson University.

Languages

Edwin P. Arnold (Asst Prof) was a member of a panel on "Language for Business: Four Model, High School Through Master's Degree" at the annual meeting of the Southern Conference on Language Teaching (SCOLT) in Charleston Oct. 14.

Arnold also presided over a session on Goethe Institute Materials at the meeting.

Paula R. Heusinkveld (Assoc Prof) presented a 60-minute session "Cross-Cultural Activities in the Foreign Language Class" at the annual meeting of the Southern Conference on Language Teaching (SCOLT) in Charleston Oct. 14.

Heusinkveld presented an invited three-hour workshop "Developing Cross-Cultural Understanding" for the Idaho Association of Teachers of Languages and Cultures at Ricks College, Rexburg, Idaho, Oct. 7-8.

Heusinkveld presented an invited lecture "Cross Cultural Differences and How They Affect Hosting International Guests" at a seminar at Greenville Technical College Sept. 20, sponsored by the Greater Greenville Convention and Visitors Bureau.

Heusinkveld presented an invited workshop "Cross-Cultural Activities in the Foreign Language Classroom" in Ft. Worth, Texas, Aug. 25 for secondary school teachers of modern foreign languages in the Ft. Worth Public Schools.

Heusinkveld served as co-program chairman for the annual conference of the Southeast Council on Latin American Studies (SECOLAS) held in Knoxville, Tenn., April 14-16. She also organized and chaired a session on "The Idiom of Music in Latin America: Communication Across National Boundaries."

Jo Ann McNatt (Assoc Prof) presided over a session, "Practical Applications of the Proficiency Model in Today's Language Class," at the annual meeting of the Southern Conference on Language Teaching (SCOLT) in Charleston, Oct. 14.

Helene M. Riley (Prof) published the review "Heiner Schmidt, Quellenlexikon der Interpretationen und Textanalysen (Duisburg, 1985)" in Colloquia Germanica 20, #4 (1987), pp. 357-358.

Riley published the review "Jochen Fried, Die Symbolik des Realen. Uber alte und neue Mythologie in der Fruhromantik. (Munchen, Fink, 1985)" in Colloquia Germanica 20, #4 (1985), pp. 376-378.

Riley had her biographical data listed in Who's Who in the South and Southwest, 21st ed. (1988-89), p. 605.

Riley had published the book L. Achim von Arnim. Kritische Schriften, Erstdrucke und Unbekanntes.

Riley published the review "Christa-Maria Beardsley, E.T.A. Hoffmanns Tierfiguren im Kontext der Romantik" in Colloquia Germanica-20, Nr. 2/3 (1987), pp. 260-261.

Riley published the review "Clemens Brentano, Der Goldfaden" in Colloquia Germanica 20, Nr. 2/3 (1987), pp. 259-260.

Riley published the review "Clemens Brentano, Die barmherzizen Schwestern" in Colloquia Germanica 20 (1987), Nr. 2/3, pp. 257-259.

Margit M. Sinka (Prof), published the article "Genre and Meaning: Wolfdietrich Schnurre's Die Tat in its Novelle and Kurzgeschichte Versions" in Colloquia Germanica, 20 (1987), 213-221.

Sinka published "The Viewer as Reader: Herzog's Stroszek in Film and Prose" in Post Script: Essays in Film and the Humanities, 7, No. 3 (Summer, 1988), 27-41.

Sinka presented "Ideas that Work" at the meeting of the Piedmont Foreign Language Collaborative Sept. 20, at the University of South Carolina at Spartanburg.

Libraries

Joe Boykin (Dir) has been elected vice-chair/chair-elect of the Fundraising and Financial Development Section of the Library Administration and Management Association of the American Library Association.

Boykin has also been elected chairman of the Association of Southeastern Research Libraries for a two-year term, 1988-1990.

James Bradshaw (Data Base Administrator) presented an invited paper "File Management Procedures in the NOTIS Environment - Backup, Recovery and Maintenance" at the annual NOTIS Users Group Meeting (NUGM '88). NOTIS, Northwestern Online Total Integrated System, is the library automation software package utilized by Clemson Libraries.

Richard Meyer (Assoc Librarian) spoke on "The LUIS/DORIS Affair: Library Automation at Clemson" at the Southern Higher Education Network Association meeting in Myrtle Beach April 17-20. **Meyer** also was elected to the organization's board of directors.

Meyer published "Cost Differential to Replace OCLC with an In-House System" in the Southeastern Librarian 38/1: 10-11 (Spring 1988).

Management

W.H. Hendrix (Prof) presented a paper co-authored with Steel, R.P. and Jennings, K.R., (Air Force Institute of Technology), and Mento, A.J. (Loyola University-Baltimore) titled "Effect of Institutional Employee Participation on Industrial Relations" at the 1988 National Academy of Management Meeting in Anaheim, Calif., in August.

Hendrix, Steel, **Z.W. Zhu** (Grad Stu), and A. Gowan presented the paper "Effect of Organizational and Health Factors on Organizational Effectiveness and Absenteeism" at the 96th Annual National American Psychological Association Convention in Atlanta in August.

On June 22, **John J. Kanet** (Burlington Prof) was an invited lecturer at the 5th European Summer Institute on "Production Planning and Control" in Eindhoven, The Netherlands. The annual two week institute, sponsored by I.F.O.R.S., is held for the most promising young operations research faculty in East/West Europe.

Kanet presented the paper "An Alternative Approach to Manufacturing Logistics" (co-author R. Dattero) at the EURO/TIMS International Conference, Paris, July 5-8.

During the spring 1988 semester, **Kanet** served as a guest professor at the Wirtschaftsuniversitaet Wien (Vienna University of Economics), where he led a short seminar on "Production Planning and Scheduling."

Kanet published an article,"MRP 96: Time to Rethink Manufacturing Logistics," in Production and Inventory Management Journal, Vol. 29, No. 2 (Second quarter, 1988), pp. 57-61.

Marketing

Stephen J. Grove (Assoc Prof) co-authored an article titled, "An Examination of Equity Theory and Its Relevance to Channel Management," which appeared in the Proceedings of the Atlantic Marketing Association held recently in Williamsburg, Va. Co-author was Gregory M. Pickett (North Arizona University).

Mary C. LaForge (Assoc Prof) recently presented a paper in Williamsburg, Va., at the annual meeting of the Atlantic Marketing Association. The paper, titled "Older Consumers' Perceptions of Selected Marketplace Activities," is published in the society's refereed Proceedings.

Mechanical Engineering

Donald E. Beasley (Assoc Prof) presented the paper "Superheated Steam Drying of Porous Particles in a Packed Bed" at the Sixth International Drying Symposium in Versailles, France, Sept. 5-8. The paper was co-authored by J. A. Khan and B. Alatas.

Beasley was recognized by the American Society for Engineering Education with the New Engineering Educator Excellence Award. The award was presented at the 1988 ASEE National Conference in Portland, Ore., June 21.

Beasley co-organized a panel session on data bases and expert systems in heat transfer and at the 1988 ASME/AIChE National Heat Transfer Conference held in Houston, Texas, July 25-27.

Richard S. Figliola (Assoc Prof) published "Blockage of Natural Convection Boundary Layer Flow in a Multizone Enclosure" in Int. J. Heat Fluid Flow, 9, 2, (1988) p. 208-214. The work was co-authored by **D. Scott** (former Grad Asst) and R. Anderson (DOE/SERI).

Figliola has been appointed to a three-year term as national chairman of the General Papers Committee of the Heat Transfer Division, American Society of Mechanical Engineers.

Figliola organized and chaired two sessions on "Convection Transport" at the 1988 National Heat Transfer Conference held in Houston, Texas, July 25-27.

Ranganathan Kumar (Asst Prof) published the paper "Study of Natural Convection in Horizontal Annuli" in the International Journal of Heat and Mass Transfer, Vol. 31, #6, pp. 1137-1148, 1988.

Kumar presented the following three papers in the ASME National Heat Transfer Conference in Houston, Texas July 24-27:

"Experimental and Numerical Investigation of Natural Convective Flow in a Horizontal Cylindrical Annulus," Vol. 2, Paper #3-15, co-authored by M. Keyhani (Asst Prof, University of Tennessee)

"Natural Convection Between Heated Plates in Large Enclosures," Vol. 2, Paper #3-19, co-authored by **S. Ramanathan** (Grad Asst) and **T. Wang** (Asst Prof).

"Natural Convection in Vertical Annuli: A Numerical Study for Constant Heat Flux on the Inner Wall," Vol. 3, Paper #6-1, co-authored by **J. Khan** (Grad Asst).

Kumar also chaired a session at the same conference on "Three Dimensional Flows in Heat Transfer."

James A. Liburdy (Prof) presented two papers at the ASME National Heat Transfer Conference in Houston, Texas: "Measurements of the Thermal Characteristics of Heated Offset Jets" with J. Tommy Holland of Sverdrup Tech Inc. and "Reconstruction of 3-D Temperature Fields Using Holographic Interferometry" with **Suneet Bahl** (Grad Asst).

Frank W. Paul (McQueen Quattlebaum Prof) was general chairman of the Organizing Committee and the USA-Japan Symposium on Flexible Automation attended by 100 Japanese participants July 18-20 in Minneapolis, Minn.

Paul co-authored two papers at the symposium on robotics in manufacturing and manipulator control presented by his graduate students **Guvenc** and **Ortiz,** respectively.

College of Nursing

Pat Padgett (Business Associate) spoke to the Clemson Chapter of Professional Secretaries International Oct. 10 on the child care survey conducted by the University Child Care Committee.

Lynn Lesley (Dir, Continuing Nursing Education) was appointed to the Committee on Nursing Education of the S.C. Nurses' Association in September.

Parks, Recreation and Tourism Management

L.W. Gahan (Alumni Prof) and **M. Uysal** (Asst Prof) made a presentation titled "The Impact of the Tourism Dollar on the Local Economy" at the fall conference of the S.C. Chapter of the American Planning Association, Hickory Knob State Park, Oct. 20.

Gahan participated in North Carolina's Great American Fly-In Sept. 14 in Raleigh, N.C. Approximately 370 meeting planners, travel agents and travel writers were invited to spend a day viewing travel, tourism and meeting opportunities available throughout North Carolina. The event was sponsored by the N.C. Division of Travel and Tourism, Raleigh Convention and Visitors Bureau and American Airlines.

Gahan currently serves as president of the Carolinas Chapter of Meeting Planners International.

Gahan was the featured speaker at the Greenville Hotel Sales and Marketing meeting Sept. 6 at the Residence Inn in Greenville, where he discussed the student internship opportunities available through the PRTM Department.

Performing Arts

Lillian Harder (Assoc Prof) received the first Award of Merit given by the S.C. Music Teachers Association at its annual convention at Lander College in recognition of outstanding contributions to music and music study in South Carolina.

Harder received the state cultural achievement award given by the S.C. Chapter of the American Association of University Women.

Richard W. Leeman (Instr) has been named editor of the Carolinas Speech Communication Annual.

Richard Nichols (Head) was a visiting faculty member in the Professional Actor Training Program at the Alabama Shakespeare Festival, July 18-Aug. 13, teaching mask technique and Alexander technique to graduate acting students.

Philosophy & Religion

Charles H. Lippy (Prof) reviewed The Economy of Early America: The Revolutionary Period, 1763-1790, edited by Ronald Hoffman et al., in History: Reviews of New Books 16(1988): 149.

Lippy also gave the keynote address at the S.C. Christian Action Council's Pastors' Conference in Columbia Sept. 20.

Lippy reviewed Toward Benevolent Neutrality: Church, State, and The Supreme Court, edited by Robert T. Miller and Ronald B. Flowers, in Church History 57(1988): 423-24.

Physics and Astronomy

A. L. Laskar (Prof) presented an invited paper "Diffusion of Zn2+ in AgBr and AgCl - Evidence for Nonlinear Temperature Dependence of Gibbs Free Energy for Defect Formation, Association and Motion," co-authored with **S. Betarbet** (former Grad Stu) and **J. Laskar** (former Grad Stu) at the International Conference on Defects in Insulating Crystals, Parma, Italy, Aug. 29 - Sept 2.

Laskar also conducted an organizational meeting for the NATO Advanced Study Institute on "Diffusion in Materials" (to be held at Aussois, France, March 12-25, 1989) in Paris, Aug. 26-27.

John Ray (Prof) has published a review paper titled "Elastic Constants and Statistical Ensembles in Molecular Dynamics" in Computer Physics Reports, Vol. 8, No. 3, Aug. 1988, pages 109-152.

Ray published a paper titled "Molecular Dynamics Methods to Study Structural Phase Transformations in Solids" in Physica B, Vol. 150 Page 250, 1988.

Ray presented the invited talk "Molecular Dynamics Simulation of Phase Transformations in Silicon" at the 1988 Gordon Research Conference on Physical Metallurgy in Meriden, N.H., July 18-22.

Raymond C. Turner (Prof) presented a workshop to physics teachers on "Have Toys, Will Travel" at the meeting of the American Association of Physics Teachers in Ithaca, N.Y.

Turner also served on the Committee on Science Education for the Public and the Topical Network Group on Physics Education which met in Ithaca, N.Y.

Plant Pathology and Physiology

Luther W. Baxter (Prof), **Susan G. Fagan** (Ag Sci Asst II), and **Sally B. Segars** (Ag Sci Asst I) published the editorial "Cutting Back Camellias" in The Camellia Journal 43:30.

Baxter, R.A. Haygood (Asst Prof), **Fagan**, and **Segars** published an article titled "A New Type of Injury Affecting Camellia Leaves" in The Camellia Journal 43:20-21.

Haygood and **W. Witcher** (Prof emeritus) published a Disease Note titled "Outbreak of Sycamore Leaf Scorch in the Carolinas" in Plant Disease 72:644.

E.I. Zehr (Prof), P.L. Pusey and M.W. Hotchkiss (USDA-ARS, Byron, GA); H.T. Dulmage (USDA-ARS, Brownsville, TX); **R.A. Baumgardner** (Prof); C.C. Reilly and C.L. Wilson (USDA-ARS, Kearneysville, WV) published the paper 'Pilot Tests for Commercial Production and Application of Bacillus subtilis (B-3) for Post-Harvest Control of Peach Brown Rot' in Plant Disease 72:622-626.

Political Science

Charles W. Dunn (Head) chaired a roundtable discussion on "Religion and the 1988 Elections" at the 1988 American Political Science Association Convention in Washington, D.C., Aug. 31- Sept. 4.

Dunn published the book Religion in American Politics (Congressional Quarterly Press).

Dunn has been named to the executive committee of the U.S. Board of Foreign Scholarships, which is charged with governing the Fulbright program worldwide.

Poultry Science

D.V. Maurice (Assoc Prof) presented a talk at the 49th Minnesota Nutrition Conference in Bloomington, Minn., on diet and egg shell calcification.

Maurice was also an invited speaker at the Degussa Technical Symposium and lectured on niacin in turkey nutrition.

Risk Management and Safety

Linda J. Rice (Dir) served as the co-chairman of the S.C. State Council of Insurance Women's Meeting in Greenwood, Sept.16-18.

Telecampus

Linda B. Reardon (Instructional Designer) presented a paper titled "The Effects of Presentation Mode and Cognitive Style on Immediate Recall of Map Information" to the International Visual Literacy Association Conference in Blacksburg, Va., Oct. 19-23.

Clemson
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Clemson, MIT join in $3.5 million alloy research effort

Clemson has joined a $3.5 million effort to study the production of ferrochromium, a material essential in making stainless steel, cast iron and super-alloys vital to defense, aerospace and other industries.

University researchers will receive $523,000 from the Defense Logistics Agency through the S.C. Research Authority for the 27-month study.

The project is designed to help Macalloy Corp. of Charleston – the only U.S. supplier of ferrochromium alloys – to once again compete effectively in the world marketplace.

The plan calls for researchers from Clemson and the Massachusetts Institute of Technology to introduce plasma arc smelting technology to Macalloy — a new way of smelting ferrochrome ores that uses less electricity and operates at a lower temperature.

Clemson researchers will familiarize themselves with MIT's operation; then will bring that new technology to South Carolina in an effort to make the industry economically viable here.

Engineering faculty from both schools will assess the new types of technologies used in other countries and determine which is most suitable for Macalloy.

Using that information, engineers will design a state-of-the-art plasma arc smelter, which could cost some $10 million and may take three years to build.

The project was awarded jointly to the S.C. Research Authority (of which Clemson is a subcontractor), Macalloy Corp., Arthur D. Little Inc. in Cambridge, Mass., and MIT.

Don't Forget...

If Clemson gets any snow this year, employees should remember that they will have three leave choices available to them under the state's hazardous weather policy (section IV, subject L of the Personnel Manual).

The choices are:

- taking annual leave;
- taking leave without pay, or
- making up missed time

(upon approval from supervisors).

For more information, call Personnel at 656-2426.

Kellogg grant to help faculty get acquainted with state

Clemson has been awarded a $79,600 grant for an intense orientation program to better acquaint new faculty members with South Carolina.

The four-year program, funded by the W.K. Kellogg Foundation, will take Clemson faculty throughout the state, allowing them to meet with South Carolinians; to see where they live and work; and to hear their accomplishments and concerns.

"This is an innovative program designed to help faculty become more aware of the people, geography, environment, problems and opportunities in the state," says President Max Lennon.

Lennon hopes the program will inspire faculty campuswide to become more responsive in solving the state's problems.

Faculty likely will visit textile plants, farming and agricultural sites, public schools, social service operations and federal facilities, and will travel for up to five days at a time.

In addition, guest speakers will be invited to campus to address faculty on issues of higher education, social equity, and the demographic and socio-economic characteristics of South Carolina.

The program is scheduled to get under way early this year with the on-site visits beginning in the spring.

The Kellogg Foundation is one of the world's largest private philanthropic organizations and has distributed more than $1 billion in support of agriculture, education and health.

Briefly

Figaro gets married Jan. 20

The National Opera Company will present "The Marriage of Figaro" Jan. 20 at 8 p.m. in Tillman Hall Auditorium.

Cost is $6 for students and senior citizens; $8 for the public.

The event is sponsored by the University Union.

For details, call 656-2461.

Time to break a sweat

Signups for the College of Nursing's third annual Wellness Challenge are going on this week (Jan. 16-20) from 8:30 a.m. to 4 p.m. at the Nursing Center in the College of Nursing building.

The Wellness Challenge is a nine-week program featuring a pre-health screening, weekly aerobic exercise and a post-health screening.

Health screenings include analyses of participants' height, weight, blood pressure, pulse, body-fat percentage and cholesterol level, plus individual computerized health risk appraisals.

The Wellness Challenge calls for aerobic exercises to be performed three times a week for at least 30 minutes at a time.

Such exercises include walking, running, swimming, rowing, biking and, of course, aerobics.

Participants will receive a t-shirt at the end of the nine weeks.

The cost of the program is $15. To register, call for an appointment at 656-3076.

Computer Short Courses

Learn more about computers this semester through the free short courses offered by the staff of the consulting and technical services department.

Starting Monday, Jan. 23, you can take introductory- and advanced-level computer short courses on the PC, VAX and NAS mainframe.

To register, call 656-3493 or drop by the CTS Help Desk, located in the basement of Poole Agricultural Center.

For more information, call Miriam E. Brown at 656-3704.

Poetry reading

Poet Donald Hall will give a reading Jan. 19 at 8 p.m. in Daniel Auditorium.

The event is sponsored by the English department.

For details, call 656-3151.

Cars of tomorrow

A Jan. 23 lecture on "Automotive Design and Development for the 1990s and Beyond" will be held in Tillman Auditorium at 8 p.m.

The speaker will be Dean Ashland Brown, dean of S.C. State College's School of Engineering Technology.

The event is free and is sponsored by the Black Awareness Committee and the College of Engineering.

For information, call 656-4531.

'Eyes on the Prize' shows Jan. 23-25

"Eyes on the Prize," a video on America's civil rights years (1954-65), will be shown Jan. 23-25 at 7 p.m. in Edgar's.

The event, sponsored by the Black Awareness Committee and the Office of Student Development Services, is free.

For information, call 656-4531.

See 'Ramesses' exhibit Jan. 21 in Charlotte

A Jan. 21 trip to see the "Ramesses The Great" exhibit in Charlotte, N.C., will be sponsored by the University Union.

The $20 cost includes transportation and admission for the 9:30 a.m. - 6:30 p.m. trip.

For more information, call the University Union at 656-2461.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams
Assistant Vice President, University Relations ..... Margaret Pridgen

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is FRIDAY, Jan. 20 for Feb. 1 issue.**

Nursing leader to speak on 'Vision for the Health of the Nation'

A national leader in nursing will present her "Vision for the Health of the Nation" during a Jan. 19 symposium here.

Jo Eleanor Elliott, director of the division of nursing in the Department of Health and Human Services, will address a number of issues, including the nursing shortage, nursing enrollment, AIDS, and the nation's aging population.

Elliott also will focus on a recent study conducted by the Health and Human Services Commission on Nursing.

"The study shows that although starting salaries for nurses have improved over the years, they also tend to plateau after five years or so," she says.

Elliott says the Commission recommends an expanded wage range for nurses who intend to continue their careers in direct patient care rather than move into administration where salaries traditionally have been higher.

A fellow of the American Academy of Nursing, Elliott stresses that although nursing enrollment appears to be up nationwide, those figures are not nearly as significant as nursing graduation totals.

Vigorous recruitment still must be implemented and focus closely on minorities, men and non-traditional college students.

"Since Hispanics comprise our fastest growing minority population, we need to look in that direction when we talk of recruiting young people," she says.

"We also need to think in terms of the older student, the one who might want to change careers or who may have never really had a career."

The symposium, a College of Nursing Centennial event, is scheduled for 3:30 p.m. in Lee Hall's Lyles Auditorium.

A reception for Elliott will follow at 5:30 in Room 100 in the College of Nursing.

New grad courses get nod from CHE

The S.C. Commission on Higher Education has approved two new degree programs here — one in nursing and the other in animal physiology.

In an attempt to combat the critical shortage of nurses with graduate degrees, official approval has been given to an off-campus master's program in nursing in Greenville.

Courses will be taught through the Greenville Higher Education Consortium at Greenville Technical College and will include live and televised instruction.

The program is an extension of Clemson's on-campus master's program which has been offered since 1974.

The new program will offer concentrations in adult, gerontological, maternal-child and rehabilitative nursing as well as specializations in administration, teaching and patient care.

Also, a master's degree will be offered on campus in animal physiology. Previously, a doctorate was the only degree offered in the discipline.

Animal physiology involves the study of how an animal's organs function.

Nominations due Feb. 10 for Sullivan Awards

Friday, Feb. 10, is the deadline for nominations for the Algernon Sydney Sullivan Awards.

Nominations with supporting letters and evidence of service should be sent to the University Scholarships and Awards Committee in care of:

The Honors Office,
Room 532,
Clemson House.

Each year the committee selects a senior male student and female student, and a nominee from the campus or community.

Sullivan Awards are presented to qualified nominees for selfless service without reward or pay to an organization, an agency, the campus or the community.

For more information, call Honors Director Jack Stevenson at 656-4762.

Register now for business, technical writing symposium

A conference on writing skills for business executives and others interested in technical writing is scheduled for Saturday, Jan. 28, in Daniel Hall Auditorium.

The symposium, "Business and Technical Writing: The Importance of Effective Communication," is sponsored by the English honor society, Sigma Tau Delta.

The cost of the symposium is $5 for students, faculty and staff, and $15 for all others. Lunch is an additional $7.

For reservations or information, call Roger Rollin at 656-3030 by Wednesday, Jan. 25.

Eight faculty receive Cutting Edge research funds

Some $429,000 in research money from the S.C. General Assembly has been awarded to Clemson faculty members for "Cutting Edge" projects.

Clemson researchers submitted 127 proposals with a total value of $4.9 million.

The proposals were reviewed, and awards were made based on potential impact the project could have on South Carolina's economy.

"Response to our call for proposals was enormous," says Vice President for Research Jay Gogue.

"Of 127 proposals, we were only able to fund seven of them. This made the task of evaluation extremely difficult, and unfortunately, many excellent proposals weren't funded."

The "Cutting Edge" funding for research came in a special $3 million allocation from state legislators as part of an overall package to enhance the quality of education at the state's colleges and universities.

Allocations were based on the amount of money each institution received for research last year.

Clemson received 31 percent of the total, 39.2 percent went to the University of South Carolina and USC Medical School, and 29.8 percent was allocated to the Medical University of South Carolina.

Clemson received a total of $929,000, including $500,000 designated for the Clemson Apparel Research program in Pendleton.

"To be competitive in our initial solicitation for this project — which will mean about $10 million for Clemson over the next five years — we needed to come up with some funding of our own," says Gogue.

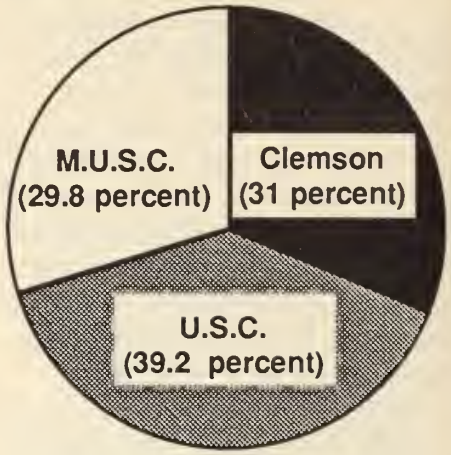
"This was an excellent opportunity for us to address one of the University's major focus areas with 'Cutting Edge' funds."

Of the seven projects funded from the remaining $429,000, an interdepartmental proposal from ceramic and chemical engineering faculty drew top priority, Gogue says.

Researchers from those departments working on the fabrication of carbon fibers garnered $45,500 for equipment that will offer them a superior method of fiber processing.

Carbon fibers are key components in the world of advanced materials and have a wide range of applications — from the recreation industry to the space program.

(See sidebar at left for details on Clemson's Cutting Edge recipients.)



A piece of the action...

The state's three major universities received near-equal portions of the special $3 million Cutting Edge allocation from the General Assembly this year.

Those receiving Cutting Edge Research Incentive funds are:

1. Chemical Engineering Professor **Dan Edie** and Ceramic Engineering Professor **Cliff Fain** — $45,500 for "High Thermal Conductivity Carbon Fibers for Electronic Applications."

2. Poultry Science Head **Bruce Glick** — $58,100 for "Immunoenhancement of Newly Hatched Chick and Poult."

3. Management Professor **Larry LaForge** — $27,355 for "Applications of Information Technology to Manufacturing Management."

4. Physics and Astronomy Head **Peter McNulty** — $96,000 for "Image Processing for Studies in Radiation Damage, Genetic Analysis, Atmospheric Physics and Molecular Structure."

5. Agronomy and Soils Assistant Professor **Nancy Ferguson** — $75,558 for "Correlation of Ecology of the Tall Fescue-Endophyte Association with Genetic Variability in the Endophyte."

6. Education Associate Professor **Bill Fisk** — $67,836 for "Evaluation of Computer-Assisted Instruction for South Carolina Adult Literacy Efforts."

7. Architecture Associate Dean **Gayland Witherspoon** — $58,544 for "Clemson University-Small Town Partnership."

Clemson WEEKLY

Vol. 28, No. 24 Jan. 26, 1988

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

'Report to People' outlines Clemson's contributions

A "Report to the People" of South Carolina chronicling what the state has received in return for its investment in Clemson University will be delivered to representatives of the state government Jan. 25.

The report is a project of the Centennial Committee, which deemed the University's 100th anniversary the proper time to take stock of the return on Thomas Green Clemson's original investment of about $80,000 and 814 acres of land.

Jerry Reel, vice provost and chairman of the Centennial Executive Committee, says the report tries to illustrate some of what Clemson has meant to the state during its first century.

"Our purpose was to tell the people of South Carolina about contributions the University has made that have promoted human and economic progress, and to let them know about our beneficial influence outside and inside the state through the contributions of the students, faculty, staff and alumni," Reel says.

Information included in the report runs the gamut from the number of degrees awarded to the number of dollars the University's students and visitors pour into the local and state economies.

The report also attempts to quantify scholarly contributions by cataloging such things as books written, inventions patented, and agricultural and technological breakthroughs developed by Clemson faculty.

"Thomas Green Clemson would probably be intrigued to see how his dream has materialized and what it has meant to South Carolina," Reel says.

"He would see that his goal of establishing an institution to improve the state's economic conditions has been met, but in ways he could never have imagined."

Report appraises status, future of state's water resources

A four-year study by the Strom Thurmond Institute has been released by the S.C. Water Resources Commission as a report on the status and future of South Carolina's water resources.

The report, "Water for South Carolina's Future," addresses a number of critical factors affecting both current water supplies and future trends.

The report also makes recommendations for the development of a state water plan.

Jim Hite, Alumni Professor of Agricultural Economics, who led the team that prepared the study, says it involved the combined efforts of 23 people in 16 disciplines at Clemson and the University of South Carolina.

Among the team's findings:

• *South Carolina is drought-prone.* Although there is sufficient water to meet demands well into the next century, imbalance between supply and demand in places and the apparent trend toward 30-year drought cycles will affect future water supply.

• *The Savannah River, one of the state's major surface water sources, is already fully utilized*, so that in times of dire need (such as drought), reservoirs must be tapped to meet demand.

• *Not enough is known about the state's groundwater resources.* Additional groundwater information needs to be compiled immediately.

• *Irrigation for crops and golf courses is the fastest-growing use of water in the state.* Irrigators should be encouraged to store water during the non-use season for use during peak demand times.

• *There are 342 separate water supply systems in the state.* Twenty-two serve 40 percent of the state's population. The remaining 320 serve an average of fewer than 5,000 users. Such decentralization means higher unit costs for smaller systems and inability to benefit from economies of scale in harvesting, treatment and distribution of water.

• *There are numerous municipal and community systems in the state.* Some are so small that they are not cost-efficient. Many are inadequate or lose money. Forty-five percent of the existing systems in the state will need to expand capacity by the year 2005 to accommodate anticipated growth.

For copies of the report, call the Thurmond Institute at 656-4700.

Briefly

Holidays that remain

Eleven official holidays for state employees remain in 1989.

Mark these dates on your calendar:

Spring Break — March 23-24
Independence Day — July 3-4
Fall Break — Oct. 30-31
Thanksgiving — Nov. 23-24
Christmas — Dec. 22, 25-26.

Chamber music

The New York Chamber Soloists will perform Jan. 26 at 8 p.m. in Tillman Hall Auditorium.

Students will be admitted free with an activity card. Cost is $6 for adults; $2 for children.

The event is sponsored by the performing arts department.

For details, call 656-3043.

Alumni Center rentals

Those interested in renting the Alumni Center will be interested in the new rental fee schedule that has been established to cover increasing maintenance costs.

If you are having a University-related function, the cost is $150 per date and a refundable $100 deposit.

For non-University functions, the cost is $300 per date and a refundable $100 deposit.

A contract and checks, made payable to the Clemson Alumni Center, must be on file with the Alumni Office 30 days in advance.

For more information, call Linda Murray at 656-2345.

Jones receives Extension's highest honor

Abbeville County Extension Director James S. Jones Jr. has been awarded the 1988 Clemson Alumni Award for Distinguished Public Service, the highest honor presented to an Extension professional.

The $1,500 award was presented to Jones during last month's faculty-staff meeting.

The award is presented annually by the Clemson Alumni Association to an Extension Service employee for outstanding public service.

James Jones Jr. recipient of the Distinguished Public Service Award

A Clemson alumnus, Jones has worked with the Clemson Extension Service for 27 years.

Black Awareness continues

The semester-long Black Awareness celebration continues Wednesday, Feb. 1, with "Beyond the Dream: A Celebration of Black History," a live video broadcast featuring John Hope Franklin, Mary Hatwood Futrell and Asa Hilliard, from 1-3 p.m. in Daniel Hall Auditorium.

Later that day "Frustrated Fellowship: The Black Church's Struggle for Social and Political Pressure," a lecture by James Washington, professor at Union Theological Seminary, will be held at 7 p.m. in Tillman Auditorium.

For details, call 656-4531.

Latest Lee Gallery exhibit

The University's Rudolph E. Lee Gallery is one of only two galleries in the nation to exhibit the first U.S. retrospective exhibition of the works of French engraver Roger Vieillard.

The exhibition was organized by the Dolan/Maxwell Gallery in Philadephia and was on display there before coming to Clemson.

The exhibition of 50 prints by Vieillard is on display through Monday, Jan. 30.

The works are available for purchase. For details, call Jon Meyer at 656-3883.

Call this number instead

If you're trying to call the Consulting and Technical Services Help Desk to register for the free computer short courses, try calling 656-3494.

The number was listed incorrectly in last week's issue.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams
Assistant Vice President, University Relations ..... Margaret Pridgen

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is FRIDAY, Jan. 27 for Feb. 8 Issue.**

Clemson EVENTS

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

February

1

Black Awareness video broadcast:
"Beyond the Dream: A Celebration of Black History." 1-3 p.m., Daniel Auditorium. *(Student Development Services and Athletic Department — 656-4531)*

Black Awareness lecture:
"Frustrated Fellowship: The Black Church's Quest for Social and Political Pressure" by James Washington, professor of church history at Union Theological Seminary in New York. 7 p.m., Tillman Auditorium. *(Black Awareness Committee — 656-4531)*

Union film:
"The Killing Floor." 7 & 9:15 p.m., Y-Theater, $1.75. *(656-2461)*

2-4

Union film:
"Monkey Shines." 7 & 9:15 p.m., Y-Theater, $1.75. *(656-2461)*

5

Union film:
"Throw Momma From the Train." 7 & 9:15 p.m., Y-Theater. *(656-2461)*

6

Union short course:
"First Aid Certification." 6-10 p.m., $20. *(656-2461)*

Black Awareness lecture:
"Prejudice and Ignorance in Book Reviews about Africa: Ryszard Kapusckinski's 'The Emperor,' 1983" by Harold G. Marcus, history professor at Michigan State University. 7:30 p.m., Room 200 Hardin Hall. *(Human Resources — 656-4531)*

6-March 6

Lee Gallery Exhibition:
Clemson National Print and Drawing Exhibition. *(656-3081)*

7

Last day to withdraw from class or the University without record.

Performing Arts' Lillian & Robert Utsey Chamber Music Series:
American Arts Trio. 8 p.m., Daniel Auditorium, free. *(656-3043)*

8

Union short course:
"Beginning Photography." 6-7 p.m., $3. *(656-2461)*

Women in Higher Education Network Meeting:
"Employee Information System" by Judy Nicks. Noon-1 p.m., Clemson Ramada Inn. *(656-5785)*

Black Awareness lecture:
"Officers in the U.S. Air Force" by Lt. Col. A.A. Martin, U.S. Air Force Reserve. 7 p.m., Senate Chambers. *(Black Awareness Committee and C.U. Air Force ROTC — 656-4531)*

9

Union short course:
"The Total Woman — Skin Care, Glamour, Color Analysis." 6:30-9:30 p.m., $5. *(656-2461)*

Union concert:
"Impulse Ride." 9 p.m., Edgar's, $2. *(656-2461)*

9-11

Union film:
"A Fish Called Wanda." 7 & 9:15 p.m., Y-Theater, $1.75. *(656-2461)*

10

Union short course:
"Snow Skiing." Sapphire Valley, $20. *(656-2461)*

12

Union film:
"The Maltese Falcon." 2 p.m., Y-Theater, $1. *(656-2461)*

Union film:
"Excalibur." 7 & 9:15 p.m., Y-Theater. *(656-2461)*

13

Meeting:
Professional Secretaries International. 5 p.m., Clemson Golden Corral. *(Sandra Davis, 656-2330)*

14

Staff Commission meeting:
"S.C. State Employees Association" by Larry Ellis, director. 10 a.m., Room 113 Lehotsky Hall. Interested employees welcome. *(John Clemens, 656-3216)*

Faculty Senate:
"The Status of Recreation at Clemson" by Jim Pope, director, Fike Recreation Center. 3:30 p.m., Senate Chambers. Interested faculty welcome. *(Ron Nowaczyk, 656-4984)*

Note: For continuity, 656-4531 is listed as the central contact number for all Black Awareness events.

Thurmond Institute lecture:
"Arms Control: Past, Present and Future" by Maj. Gen. William F. Burns (ret.), director, U.S. Arms Control and Disarmament Agency. 8 p.m., Lyles Auditorium. Free. Reception follows. *(Ed Hamilton, 656-4700)*

15

Union film:
"Kanchenjungha." 7 & 9:15 p.m., Y-Theater, $1.75. *(656-2461)*

Union short course:
"Intermediate Photography." 6-7 p.m. $30. *(656-2461)*

Union short course:
"Fine Dining Etiquette." 6-8 p.m. $10. *(656-2461)*

15,16

Defensive Driving Class:
For students who drive University vehicles. 6-10 p.m., Police Department Courtroom. *(Risk Management and Safety — Freddie Harbin, 656-3365)*

16

Performing Arts Concert Series:
Budapest Symphony Orchestra. 8 p.m., Tillman Auditorium. Students free with activity card; $6 for adults; $2 for children. *(656-3043)*

16-18

Union film:
"Die Hard." 7 & 9:30 p.m., Y-Theater, $1.75. *(656-2461)*

17

Black Awareness lecture:
"Automotive Design and Development for the 1990s and Beyond" by Dean Ashland Brown, School of Engineering Technology, S.C. State College. 8 p.m., Lyles Auditorium, free. *(Black Awareness Committee and College of Engineering — 656-4531)*

17-19

Joint meeting of the S.C. Academy of Religion and the S.C. Society for Philosophy:
Feb. 17 — "Sartre and the Poetics of History" by Tom Flynn, chairman of Emory University's philosophy department. 8 p.m., Kresge Hall, Outdoor Lab. *(Philosophy & Religion — Larry McCollough, 656-5366)*

19

Black Awareness event:
"8th Annual Gospel Explosion." *(C.U. Gospel Choir — 656-4531)*

20

Union short course:
"Scuba Diving." $195. *(656-2461)*

21

Geography lecture:
"Cartography: From Quill Pens to Lasers" by Patricia Gilmartin, USC associate professor of geography. 2 p.m., Room 200 Hardin Hall. Reception follows. *(History — Lawrence Estaville, 656-5359)*

21-25

Clemson Players production:
"Blue Window." 8 p.m., Daniel Auditorium. Free for students, $2 for faculty and staff, $4 for the public. *(Performing Arts, 656-2476)*
Matinee Feb. 23 at 3:30 p.m.

22

For students:
Camp Placement Day. 10 a.m.-5 p.m., Palmetto Ballroom. *(Parks, Recreation and Tourism Management — Lorrie Jones, 646-7502)*

23

Defensive Driving Class:
For employees who drive University vehicles. 8 a.m.-4:30 p.m., Police Department Courtroom. *(Risk Management and Safety — Freddie Harbin, 656-3365)*

Clemson Players production:
"Blue Window." 3:30 p.m., Daniel Auditorium. Free for students, $2 for faculty and staff, $4 for the public. *(Performing Arts, 656-2476)*

23-25

Union film:
"Coming to America." 7 & 9:15 p.m. Y-Theater, $1.75. *(656-2461)*

24

Performing Arts' Student Variety Series:
C.U. Jazz Ensemble. 8 p.m., Tillman Auditorium, free. *(656-3043)*

26

Union film:
"Some Like It Hot" 2 p.m., Y-Theater, $1. *(656-2461)*

Union film:
"Silverado" 7 & 9:30 p.m., Y-Theater, students free. *(656-2461)*

27

Thurmond Institute lecture:
"Deal Fees or the GNP" and **"It's High Time for Congress to Make a Choice"** by Robert E. Mercer, chairman of the board, Goodyear Tire and Rubber Co. 8 p.m., Lyles Auditorium. *(Julie Craig, 656-4700)*

Black Awareness performance:
"1,001 Black Inventions" by the Pin Point Traveling Theater Group. 7 p.m., Tillman Auditorium. *(Black Awareness Committee and Alpha Kappa Alpha Sorority — 656-4531)*

28

Union short course:
"Massage for Relaxation." 7-9:30 p.m., $21.50. *(656-2461)*

Clemson
WEEKLY
Vol. 28, No. 25 Feb. 3, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Bennett named associate dean for College of Engineering

A. Wayne Bennett

new associate dean for the College of Engineering

A. Wayne Bennett, head of the electrical and computer engineering department, has been named associate dean for research and external affairs in the College of Engineering.

Bennett has acted in this position since last July and will continue to direct research and fundraising activities for the College.

Bennett also serves as a special assistant to President Max Lennon for the University's Second Century plan to achieve academic and research excellence.

Bennett earned bachelor's and master's degrees in electrical engineering from Virginia Polytechnic Institute and State University and a doctorate in electrical engineering from the University of Florida.

University Research names director of research services

A new full-time veterinarian has joined the University as director of research services for the Office of University Research.

Harold Farris, former director of the animal research laboratories at the University of Arkansas for Medical Sciences, assumed his duties this month.

As University animal facilities veterinarian, Farris will be responsible for Clemson's compliance with federal regulations governing animal research.

Farris served as chief of laboratory animal medicine at Veterans Administration Hospital at Little Rock.

Farris earned his bachelor's degree and doctorate in veterinary medicine from the University of Missouri. He earned a master's degree from Ohio State University.

Harold Farris

the new director of research services

University's first student health educator joins Redfern staff

In a continuing effort to educate students about health and human sexuality issues, including AIDS, Mary E. Steeves has joined the Redfern Health Center staff as Clemson's first student health educator.

Mary E. Steeves

the new student health educator

As health educator, Steeves will coordinate the University's student health education program which covers such topics as weight control, eating disorders, stress management, hypertension, smoking cessation, human sexuality and AIDS.

One of her primary responsibilities will be to develop, train and coordinate Clemson's first student peer education group.

"We know that students are most influenced by their peers," says Steeves, "and we will look for students who are enthusiastic and comfortable with these issues to help our education efforts."

Steeves earned a bachelor's degree in biomedical communications at Stockton State College in Pomona, N.J. She earned her master's degree in community health education at the University of Georgia, where she worked as a graduate teaching assistant in the department of health and safety education.

Before coming to Clemson, she served as a health education instructor at Truett McConnell College in Cleveland, Ga.

Briefly

Arts Trio performs Feb. 7

The American Arts Trio, a trio-in-residence at the University of South Carolina, will perform Tuesday, Feb. 7, at 8 p.m. in Daniel Auditorium.

The concert is free and open to the public, and is part of the Lillian and Robert Utsey Chamber Series.

For details, call the performing arts department at 656-3043.

National Print Exhibition

The Clemson National Print and Drawing Exhibition will be held in Lee Hall's Rudolph E. Lee Gallery Feb. 6 - March 6. The exhibition is sponsored by the College of Architecture.

For more information, call Jon Meyer at 656-3883.

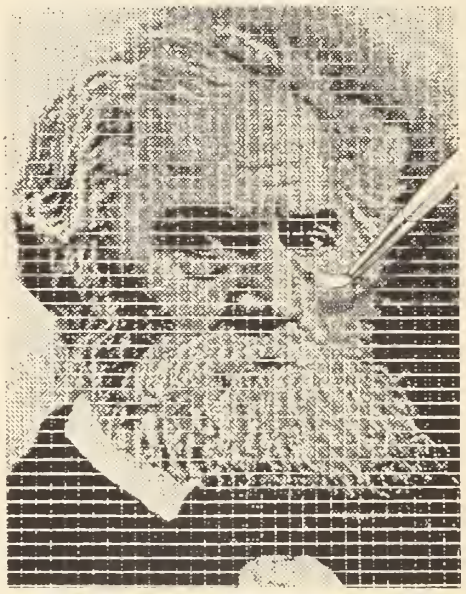
Black Awareness

The semester-long Black Awareness celebration continues Monday, Feb. 6, with Harold G. Marcus, professor of history at Michigan State University, speaking on "Prejudice and Ignorance in Book Reviews about Africa: Ryszard Kapusckinski's 'The Emperor,' 1983," at 7:30 p.m. in Room 200 Hardin Hall.

On Wednesday, Feb. 8, Lt. Col. A.A. Martin, Admissions Liaison Officer, U.S. Air Force Academy and Air Force ROTC, will speak on "Officers in the U.S. Air Force" at 7 p.m. in the Senate Chambers.

The special programs are designed both to focus on the achievements of prominent black men and women and to examine a variety of issues from the black perspective.

For details, call 656-4531.



Artist wins MOMMY

Connie Floyd, graphic arts supervisor in the publications and graphics department, has won a "MOMMY" award for creative excellence in desktop publishing from Modern Office Machines in Greenville.

Floyd won the award for his design of the recruiting poster used for summer school last year.

The poster, with the theme "Thomas Clemson faces the Second Century," features an image of Thomas Green Clemson's face with a computer grid overlay.

Heart month specials

February is heart month, and the Nursing Center in the College of Nursing is offering services important for your heart's health.

CPR classes will be held Feb. 6 and 7 from 7 to 9 p.m.; Feb. 13 and 15 from 6 to 8 p.m.; and Feb. 20 and 22 from 7 to 9 p.m.

The classes will be held in the Nursing Center. The cost is $10 per person.

Cholesterol testing also is available at the Nursing Center for a reduced fee during February. Cholesterol testing requires a finger stick and takes about three minutes to determine. Usually $7, tests during February will cost only $5.

To register or make an appointment, call 656-3076.

New title

Al McCracken in Business and Finance has a new title: associate vice president for budgets, planning and sponsored programs.

'Sponsored programs' has been added to his title because of increased emphasis during the last two years on research and sponsored programs, which include Savannah River Plant programs, Clemson Research Park development and operational activities of the Clemson University Research Foundation.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is MONDAY, Feb. 6 for Feb. 15 Issue.**

Clemson WEEKLY
Vol. 28, No. 26 Feb. 9, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Report shows overall increase in faculty salaries

Average salaries for most Clemson faculty have increased since last year, according to a Faculty Salary Report issued by the Provost's Office.

The report indicates that, since 1987-88, average salaries increased 6.4 percent for professors; 6.7 percent for associate professors; 8 percent for assistant professors; and 7.5 percent for librarians.

"This year's marked increases reflect last semester's $1 million in faculty salary adjustments," says Provost David Maxwell.

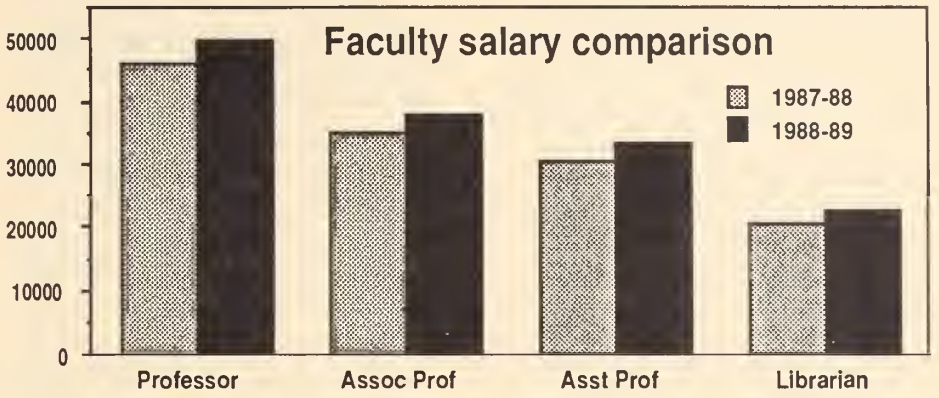
"This is a significant step toward our goal of raising Clemson faculty salaries to at least the Southeastern average."

Part-time and visiting faculty were not included in the report; neither were academic administrators, such as deans, directors and department heads.

The report did not include salaries in colleges with fewer than five faculty for a given rank.

The number of faculty is listed for each college, however.

Information from the 1988-89 Faculty Salary Report issued by the Provost's Office is featured inside on pages 4-6.



Faculty salaries have increased by an overall average of 7.2 percent since this time last year. For details, see the story below and the Faculty Salary Report on p. 4.

New advocate heads University victim/witness program

Hank Flood has been named University advocate for a new 24-hour victim/witness assistance program on campus that will help crime victims and witnesses deal with problems they may encounter through their involvement in a criminal incident.

"Being a victim or a witness, especially for the first time, can be pretty scary," says Flood.

"Having someone available to explain legal terminology and procedures, to arrange for transportation, if needed, and to provide emotional support can relieve much of that burden."

Flood says he is always on call and that students, faculty and staff can reach him at 656-5261.

Hank Flood

new University advocate

The program was made possible by a grant from the Governor's Office.

Flood is a 27-year veteran of the U.S. Marine Corps, where he served as a drug and alcohol abuse counselor.

He earned an associate's degree in criminal justice from Tri-County Technical College.

Ellis to address Staff Commission

Larry Ellis, director of the S.C. State Employees Association, will speak to the Commission on Classified Staff Affairs Tuesday, Feb. 14, at 10 a.m. in Room 113 Lehotsky Hall.

All interested employees are welcome to attend.

For more information, call Commission Chairman John Clemens at 656-3216.

Briefly

Budapest Symphony

The Budapest Symphony Orchestra will perform in concert with pianist Leonard Pennario Thursday, Feb. 16, at 8 p.m. in Tillman Hall Auditorium.

Tickets are $6 for adults and $2 for children. Student date tickets are $2. Student tickets are free with activity cards.

The concert is sponsored by the performing arts department.

For more information, call 656-3043.

Professional Secretaries

The Clemson Chapter of Professional Secretaries International will meet Monday, Feb. 13, at 5 p.m. in the Clemson Golden Corral restaurant.

For more information, contact Sandra Davis at 656-2330.

Provost Research Awards

If you're interested in applying for this year's Provost Research Awards, you should get in touch with the Office of University Research in E-102 Martin Hall by April 3.

Twenty-five of the $2,000 awards will be presented by the University Research Grant Committee (URGC) before April 29.

Designed to stimulate research activities by University faculty, the awards are available to any tenured or tenure-track faculty member who has not received one within the last five years (1984-88).

Compliance with instructions, research objectives, research feasibility and research significance will be major considerations in presenting the awards.

Awardees will be required to file a report with the URGC covering use of funds, research accomplishments, and plans for the continuation or completion of the research.

All applications will receive a blind, non-peer, review by the URGC.

Applications for less than $2,000 will not be considered.

Funds may be used for any research-related expenditure consistent with state and University fiscal procedures.

Funds may be spent during the 1989-90 fiscal year, starting July 15.

Funds may be used as salary only during the three-month summer pay period.

For details, call 656-2375.

Join the new chamber orchestra

If you play the violin, the cello, the bassoon — or any combination of the above — display your talents in the new campus chamber orchestra.

Robert Jamison, professor of mathematical sciences, has organized an orchestra of 15 string players and seven woodwind players and is looking for a few more. Anyone from the faculty, staff, student body or the public is welcome to join.

For details, call Jamison at 656-5219 or Mike Bridgwood at 656-5934.

Thurmond papers

Researchers with a fascination for legislative history, the States' Rights Democratic Party and issues such as defense and civil rights will be interested in the Strom Thurmond papers, available in Cooper Library's special collections department.

The papers document the life of South Carolina' senior U.S. senator through seven manuscript series that include scrapbooks, photographs, cartoons and certificates. Additional series are to open soon.

For details, call Thurmond Archivist Jim Cross at 656-3031.

National Print Exhibition

Those interested in qualifying for the Eight Annual State Government Safe Driver Award Program should call Linda Rice, director of the risk management and safety department, at 656-2583.

To qualify for a certificate, an employee must:

- have operated a state vehicle for one year, driving at least 11,000 official miles without a chargeable accident or moving violation, and
- have completed either the

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, Feb. 17 for March 1 issue.**

ight-hour or the four-hour Defen-ive Driver Training Course or the AA Driver Improvement Program vithin the past three years.

To qualify for a lapel pin, an mployee must:

• have operated a state-wned vehicle without a charge-ble accident or moving violation or five consecutive years, and

• have completed either the ight-hour or the four-hour Defen-ive Driver Training Course or the AA Driver Improvement Program vithin the past three years.

Blue Key award needs nominations

Blue Key is accepting nomina-ions from faculty for the first Blue Key Academic and Leadership Award.

Funded by proceeds from Tigerama, an endowment was stablished by Blue Key to recog-nize one undergraduate student rom each of the University's nine colleges for high academic achievement and leadership.

Nominees must be upper-classmen with a minimum grade point ratio of 3.0.

Faculty members can submit nominations to the departmental epresentative of their college's scholarship, honors and awards committee.

Each committee will select one recipient to be given a certifi-cate and $100 cash award during Clemson's Honors and Awards Day ceremonies April 8.

For more information, call Alan Pope, Blue Key president, at 656-7712.

Employees honored

Several employees in the Divi-sion of Business and Finance have been recognized for out-standing service:

• The Business and Finance "Group Award" has been pre-sented to the administrative data processing department for "out-standing and dedicated service to Clemson University."

Members of the department are Lib Lyles, Jane Buchanan, Sandra Hawkins, Harriett Howard, Lendora Shedd and Sue Wardlaw.

• "Employee of the Month" awards for October 1988, have been presented to Bettie Cheek and Anne Copeland in financial management; Marijo Lamb in pay-roll; and Ansel Oglesby in Facili-ties Maintenance and Operations.

• "Outstanding Professional Employee" awards for fall semes-ter 1988 have been presented to Harry Kirby, Frances Holliday, and Jeannine Varenhorst.

Reserve remotes early

If you're looking to reserve any of the remote computing facilities around campus, give Cindy Calcutt a call at 656-2824.

Because of the number of re-quests that come in each semes-ter, it's best to make reservations as early as possible.

Bowling specials

"Semester Specials" at the University bowling lanes this spring are:

Earlybird — Monday-Friday, 9 a.m.-2 p.m. (75 cents per game, 25 cents for shoes);

Group Reservations — Wed-nesday and Thursday evenings;

Rent-A-Lane — Fridays, 6 p.m. to close ($4 per hour, 25 cents for shoes);

Patriotic pin — Saturdays (bowl a strike with red and blue pins in the number 2 and 3 pin spots and the game is free);

Mello-Yellow pin — Sundays (bowl a strike with a yellow head pin and receive a free Mello-Yel-low or substitute from snack bar).

For details, call the Union Games Area at 656-5838.

Sullivan Awards

Friday, Feb. 10, is the dead-line for nominations for the Alger-non Sydney Sullivan Awards.

Nominations with supporting letters and evidence of service should be sent to the University Scholarships and Awards Com-mittee in care of the Honors Of-fice, Room 532, Clemson House.

Each year the committee se-lects a male senior student, a fe-male senior student and a nomi-nee from the campus or commu-nity.

Sullivan Awards are pre-sented to qualified nominees for selfless service to the campus or community.

For more information, call Jack Stevenson at 656-4762.

Scholarship applications for undergrads

Applications for next year's undergraduate scholarships should be submitted to the Finan-cial Aid Office in G-01 Sikes Hall, by Wednesday, March 1.

By submitting an application, a student will be considered for all scholarships awarded by the Uni-versity. Students anticipating renewal of their scholarships also are required to reapply by March 1 to maintain their eligibility.

For forms or more information, call the Financial Aid Office at 656-2280.

(continued from p. 1 — Source: Provost's Office)

Male Professor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	111	14	33	13	49
Maximum:	$68,920	$55,696	$81,383	$57,255	$80,600
Minimum:	$33,001	$39,347	$38,801	$37,810	$43,223
Median:	$45,316	$47,086	$54,166	$46,900	$55,150
Average:	$45,804	$47,026	$56,813	$46,197	$57,431

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	22	30	0	68
Maximum:	$54,276	$68,250		$71,815
Minimum:	$37,525	$33,500		$37,958
Median:	$45,831	$45,044		$51,546
Average:	$46,328	$45,265		$52,178

Male Associate Professor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	45	12	25	9	33
Maximum:	$49,365	$41,432	$57,000	$43,072	$53,974
Minimum:	$30,932	$32,617	$35,309	$30,365	$40,000
Median:	$36,170	$37,964	$46,469	$34,370	$44,624
Average:	$35,937	$37,227	$46,079	$34,643	$44,945

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	13	37	1	36
Maximum:	$41,430	$42,902		$48,650
Minimum:	$30,552	$27,225		$24,240
Median:	$34,332	$31,392		$36,000
Average:	$35,023	$31,971		$37,359

Male Assistant Professor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	22	3	26	7	25
Maximum:	$36,284		$50,000	$31,000	$41,500
Minimum:	$26,901		$29,414	$26,863	$35,499
Median:	$31,084		$42,000	$28,766	$39,500
Average:	$31,219		$42,080	$29,032	$39,341

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	5	32	0	23
Maximum:	$29,750	$31,875		$44,500
Minimum:	$26,956	$23,000		$27,016
Median:	$29,448	$26,300		$34,000
Average:	$28,814	$26,640		$35,640

(continued from p. 1 — Source: Provost's Office)

Female Professor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	6	1	2	2	0
Maximum:	$41,466				
Minimum:	$35,147				
Median:	$38,088				
Average:	$38,323				

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	0	5	1	5
Maximum:		$63,000		$57,161
Minimum:		$36,465		$39,699
Median:		$37,143		$41,839
Average:		$42,867		$44,732

Female Associate Professor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	11	3	3	4	2
Maximum:	$35,587				
Minimum:	$30,863				
Median:	$33,210				
Average:	$33,229				

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	1	8	4	1
Maximum:		$34,823		
Minimum:		$25,850		
Median:		$31,440		
Average:		$30,496		

Female Assistant Professor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	8	1	4	6	3
Maximum:	$36,401			$28,434	
Minimum:	$28,230			$25,000	
Median:	$32,071			$26,250	
Average:	$31,273			$26,022	

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	3	14	12	5
Maximum:		$28,000	$38,313	$31,153
Minimum:		$22,000	$28,184	$26,968
Median:		$27,000	$33,280	$29,250
Average:		$26,087	$32,768	$28,961

(continued from p. 1 — Source: Provost's Office)

Librarian salaries

	Male	Female
Faculty:	4	10
Maximum:		$28,110
Minimum:		$18,814
Median:		$20,769
Average:		$22,651

Male Instructor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	3	0	2	1	1
Maximum:					
Minimum:					
Median:					
Average:					

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	1	12	0	2
Maximum:		$27,075		
Minimum:		$16,500		
Median:		$16,740		
Average:		$17,882		

Female Instructor salaries

	Agriculture	Architecture	Comm./Ind.	Education	Engineering
# Faculty:	0	0	1	1	0
Maximum:					
Minimum:					
Median:					
Average:					

	Forest/Rec.	Liberal Arts	Nursing	Sciences
# Faculty:	0	13	0	1
Maximum:		$18,932		
Minimum:		$16,500		
Median:		$16,740		
Average:		$16,847		

Totals

	Professor	Associate Professor	Assistant Professor	Librarian	Instructor
# Faculty listed:	356	229	185	10	25
Maximum:	$81,383	$57,000	$50,000	$28,110	$27,075
Minimum:	$33,001	$24,240	$22,000	$18,814	$16,500
Median:	$48,822	$36,170	$31,525	$20,769	$16,740
Average:	$49,509	$37,569	$32,937	$22,651	$17,343

Twenty-two faculty receive University Research Grants

Faculty whose proposals were funded recently by the University Research Grant Committee are:

Dennis R. Dinger
Ceramic Engineering
Initial Studies in the Development of an Expert System for Ceramic Processing
$1,800

Dennis L. Powers
Bioengineering
Analgesic Drug Delivery
$2,000

Donald G. Bzdyl
English
Layamon's Brut: an Introduction and Translation
$2,000

Pamela E. Mack
History
Subvention for Publication of a Book Titled: Viewing the Earth: the Social Construction of the Landsat Satellite System
$2,000

Ting Wang
Mechanical Engineering
Drag Reduction Using Micro-grooved Surface
$2,000

George R. Lucas Jr.
Philosophy and Religion
A German-Language Edition of Hegel and Whitehead
$2,000

Nancy H. Ferguson
Agronomy and Soils
Molecular Genetic Mapping of the Fungal Endophyte of Tall Fescue
$2,000

John R. Diehl
Animal Science
Effect of Inhibition of Ornithine Decarboxylase on Ovarian Function
$1,900

Richard W. Rice
Chemical Engineering
Characterization of Sorbents for Removal of Sulfur Dioxide from Flue Gas
$2,000

Herbert P. Norman Jr.
Planning Studies
South Carolina Laws Related to Local Government Planning
$1,910

Mark Jay Charney
English
Minds of the New South: A Series in Biography Subject: D.W. Griffith
$1,900

Carl Lovitt and Martin Jacobi
English
The Current State of Teaching Practices in Professional Writing Courses
$2,000

Philip J. Bernhard
Computer Science
An Empirical Study of Interconnection Network Control Strategies for Parallel Computer
$2,000

Jon Meyer
Visual Arts
Research on Contemporary Art and Architecture in Italy
$2,000

Willlam Lasser
Political Science
The Gold Dust Twins: Ben Cohen and Tommy Corcoran, 1932 - 1945
$1,486

Robert M. Panoff
Physics and Astronomy
Computational Quantum Many-Body Physics Studies
$2,000

Chrls L. Peters
Elementary/Secondary Education
Developing High-Powered Computer Assisted Instruction: An Investigation of Instructional Design Principles
$2,000

K. R. Brooks
Planning Studies
Acquisition of Satellite Imagery Processing Software and Production of Clemson-Area Land Cover Maps
$2,000

Doreen S. Geddes
Performing Arts
Patterns of Interpersonal Communications: An Examination of Regional Differences in the United States
$1,680

Kevin J. Farley
Environmental Sys. Engineering
Volume Reduction and Stabilization of Metal Oxide Sludges
$2,000

Evelyn Cecilla Voelker
Visual Arts and History
Port Quarantines in South Carolina, Prototypes of Ellis Island
$1,000

Russell A. Marion
Elementary/Secondary Education
Survey of Public Attitudes Toward Public Education
$2,000

Police Department adds new weapon to arsenal

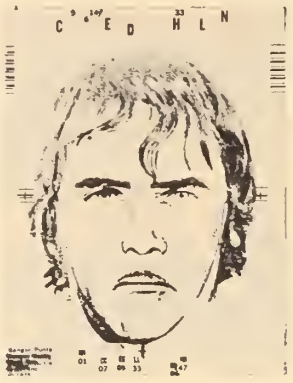
You can't tell by looking at them, but University police officers are using a new weapon that may soon prove lethal — to campus crime, that is.

The officers are using a new computer system that creates and reproduces composite sketches of crime suspects much more quickly and accurately than conventional artist renderings.

In fact, Clemson's police department joins Scotland Yard and the Royal Canadian Mounted Police as one of five law enforcement agencies in the world to use the new system.

"Clemson is the first university in the nation to employ this technology," says Administrative Officer Thea McCrary.

In addition, Clemson is one of only three U.S. law enforcement agencies to have such a system. The others are Virginia's Chesterfield County Police Department and South Carolina's Charleston Police Department.



A Tale of Two Composites...

The image on the left was created by hand using the Police Department's old overlay system; the image on the right was created electronically with a new computer system.

Clemson's system was made possible by a recent $15,300 grant from the Governor's Office Department of Public Safety.

"This system is much easier to use and much more efficient than our old system," says McCrary. "Instead of having to use a series of overlays with penciled-in features, we can use the computer to create a face."

A big advantage for the department is that the system can produce photographic-quality prints within a few seconds of making the final composite, as compared to previous composites done by hand.

"The prints we can produce now are much more lifelike and make it easier for a person on the street to identify," she says, "plus we can mass produce them easily to help get the descriptions around faster."

McCrary says witnesses look through "mug books" as usual to select eyes, noses, chins and other facial features, then officers electronically mix, match and blend the components into a recognizable face.

"We've used the system several times already to assist area law enforcement agencies, and we plan to make the system as available to them as possible," she says.

Administrative Officer Thea McCrary and Public Safety Officer Ron Howell create a composite electronically using the Police Department's new computer system.

The system is one of only five in use in the world. Clemson is the first U.S. university to install such a system.

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WEEKLY
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Haertling named to Bishop professorship

A top scholar in ceramic engineering has been named to the newly created George J. Bishop III Distinguished Professorship.

Gene H. Haertling, former professor of ceramic engineering at the University of Missouri-Rolla, was selected for the position following a nationwide search.

Haertling is a specialist in advanced materials including electrooptics, microwave materials, sensors and high-temperature superconductors.

At Rolla, he was a senior research investigator at the Graduate Center for Materials Research.

Gene Haertling

the new Bishop professor

He is credited with inventing a material in 1969 known as transparent PLZT ceramics for electrooptic applications. In military applications, PLZTs transform clear optical lenses into dark sunshades in less than a second. Commercially, PLZTs are used in high-speed data recording and sophisticated document identification systems.

Haertling, who holds nine patents, earned his bachelor's degree at the University of Missouri at Rolla and his master's and Ph.D. from the University of Illinois.

The Bishop professorship was created in November, 1987, with a $650,000 endowment from Waccamaw Corp. founder George J. Bishop III and a group of his business associates.

University Symphonic Band opens in the 'Big Apple'

The Clemson University Symphonic Band opens its winter concert season in unique fashion Sunday, Feb. 19, with a 7:30 p.m. performance in Lincoln Center's Alice Tully Hall in New York City.

Band Director Bruce Cook says this is the first Lincoln Center performance for a Clemson band, and the group is looking forward to its New York debut.

"We have long wanted to provide this kind of concert experience for the band," he says. "It will be an invaluable learning experience, and a thrill to perform in such a prestigious location."

The program features selections that showcase the versatility of the 60-piece symphonic band, including "The Pines of the Appian Way" from Respighi's "The Pines of Rome;" "La Fiesta Mexicana" by H. Owen Reed; Bukvich's "Symphony No. 1 for Winds and Percussion;" Vern Reynolds' "Fanfare for Clemson University;" Massenet's "Meditation from 'Thais';" John Philip Sousa's "Stars and Stripes Forever."

For those unable to travel to Lincoln Center, the same program can be heard March 7 at the group's free winter concert in Tillman Hall Auditorium at 8 p.m.

The next issue of Clemson Weekly *will appear March 1.*

"Ain't Misbehavin'" comes to campus

Look for the Broadway musical "Ain't Misbehavin'" Thursday, March 2, at 8 p.m. in Tillman Hall Auditorium.

Tickets for the musical, presented as part of the University Union's Performing Artist Series, are $6 for students and senior citizens, and $8 for the public.

For details, call 656-2461.

Briefly

Philosophy, religion meet

Tom Flynn, chairman of Emory University's philosophy department, will speak Friday, Feb. 17, on "Sartre and the Poetics of History" at 8 p.m. in Kresge Hall at the Outdoor Laboratory.

His talk is featured as part of the joint meeting on campus of the S.C. Academy of Religion and the S.C. Society for Philosophy.

For details, call the philosophy and religion department at 656-2584.

Quill pens and lasers

A lecture on "Cartography: From Quill Pens to Lasers" by Patricia Gilmartin, associate professor of geography at the University of South Carolina, will be held Tuesday, Feb. 21, at 2 p.m. in 200 Hardin Hall.

For more information, contact Lawrence Estaville at 656-5359.

'Blue Window'

The Clemson Players will perform the comedy "Blue Window" Feb. 21-25 at 8 p.m. in Daniel Hall Auditorium. A special matinee will be held Thursday, Feb. 23, at 3:30 p.m.

Tickets are $4 for the public, $2 for faculty and staff, and free for students.

The play, directed by University instructor Robin Roberts, is set before, during and after a dinner party in New York. The opening and closing scenes of this unique comedy take place in four different apartments with the dialogue between characters frequently overlapping.

The play is sponsored by the performing arts department.

For details, call 656-2476.

Camp Placement Day

The parks, recreation and tourism department will sponsor its 18th annual Camp Placement Day Wednesday, Feb. 22, in the Palmetto Ballroom.

The 10 a.m.-5 p.m. event is a job service for students interested in becoming counselors, activity instructors, nurses, emergency medical technicians, support staff, or program directors or administrators.

The more than 40 camps represented will offer informal interview opportunities.

For more information, call Lorrie Jones at 646-7502.

Drive defensively

A defensive driving class for employees who drive University vehicles will be held Thursday, Feb. 23, from 8:30 a.m. - 4:30 p.m. in the Police Department Courtroom.

For more information, call Freddie Harbin at 656-3365.

Do you like jazz?

The Clemson University Jazz Ensemble will present its first concert of the year Friday, Feb. 24, at 8 p.m. in Tillman Hall Auditorium.

The 20-piece band, under the direction of Richard Goodstein, specializes in standard and contemporary jazz.

Various jazz styles will be featured in the selections, including "One O'Clock Jump," as a special tribute to the late Count Basie.

The concert is free.

For more information, call Goodstein at 656-3858.

Congress must decide

A Monday, Feb. 27, lecture on "Deal Fees or the GNP? It's High Time for Congress to Make a Choice" by Robert E. Mercer, chairman of the board of the Goodyear Tire and Rubber Co., will be held at 8 p.m. in Lyles Auditorium.

For details, call the Strom Thurmond Institute at 656-4700.

'Who Cares?'

The Teaching Resources and Effectiveness Committee will sponsor a workshop Thursday, March 2, on "What Do We Value and Who Cares?".

The workshop will include a 3:30 p.m. presentation in Lyles Auditorium by Raymond Rodrigues, associate academic vice president at Colorado State University, and will be followed by a reception in Lee Gallery.

For more information call Jane Hurt at 656-3913.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams
Assistant Vice President, University Relations ..... Margaret Pridgen

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, Feb. 17 for March 1 issue.**

Clemson
EVENTS
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

March

1 Wednesday

Black Awareness lecture:
"Cultural Diversities: What Are They and How Do We Handle Them?" by Frankie Freeman, first female member of the U.S. Civil Rights Commission and Bertha Maxwell-Roddey history professor, University of North Carolina at Charlotte. 7 p.m., Tillman Auditorium, free. (656-4531)

Union film:
"Betrayed." 7 & 9:30 p.m., Y-Theater, $1.75. (656-2461)

Men's basketball:
Duke. 7:30 p.m., Littlejohn Coliseum. (656-2101)

2 Thursday

Union Performing Artist Series:
"Ain't Misbehavin'." 8 p.m., Tillman Auditorium. $6 for students and senior citizens; $8 for the public. Seats reserved. (656-2461)

Health lecture:
"Sexual Etiquette 101" by Dr. Robert Hatcher, director of Emory University's family planning program. 7:30 p.m., Lyles Auditorium. (Redfern Health Center and C.U. Aids Task Force — Mary Steeves, 656-2233)

Teaching Resources and Effectiveness Committee workshop:
"What Do We Value and Who Cares?" (Jane Hurt, 656-3913)

Union concert:
"Tinsley Ellis Band." 9 p.m., Edgar's, $3. (656-2461)

Baseball:
East Tennessee State. 3 p.m., Tiger Field. (656-2101)

2-4 Thurs.-Sat.

Union film:
"Clean and Sober." 7 & 9:15 p.m., Y-Theater, $1.75. (656-2461)

3-4 Fri.-Sat.

Union short course:
English-style Horseback Riding. 3-5 p.m. March 3; 10 a.m.-12:30 p.m. March 4. (one class) $20. Transportation included. (656-2461)

4 Saturday

Union trip:
Ice Skating/Shopping Trip to Eastland Mall, Charlotte. $10. (656-2461)

Women's tennis:
North Carolina. Sloan Tennis Center. (656-2101)

Men's basketball:
Georgia Tech. 1:30 p.m., Littlejohn Coliseum. (656-2101)

Baseball:
UNC-Wilmington. 2 p.m., Tiger Field. (656-2101)

5 Sunday

Union film:
"The Seventh Sign." 7 & 9:15 p.m., Y-Theater, students free. (656-2461)

Baseball:
UNC-Wilmington. 2 p.m., Tiger Field. (656-2101)

6 Monday

Preliminary grades due.

Baseball:
Old Dominion. 3 p.m., Tiger Field. (656-2101)

7 Tuesday

Performing Arts' Concert Series:
C.U. Symphonic Band. 8 p.m., Tillman Auditorium, free. (656-3043)

Baseball:
UNC-Wilmington. 2 p.m., Tiger Field. (656-2101)

Women's tennis:
William & Mary. Sloan Tennis Center. (656-2101)

26 Sunday

Union film:
"The Big Chill." 7 & 9:15 p.m., Y-Theater, free. (656-2461)

27 Monday

English lecture and discussion:
Jenette Kahn, president and publisher, DC Comics Inc. Informal discussion at 4 p.m. in 205 Strode Tower; lecture at 8 p.m. in Lyles Auditorium. (Roger Rollin, 656-3030)

Union short course:
Sign Language. 7-8 p.m. $10. (8 session course —will cover the basics of signed English) (656-2461)

Union short course:
Scuba Diving. $195. PADI certification upon completion. (656-2461)

Women's tennis:
Brigham Young University. Sloan Tennis Center. (656-2101)

28-30 Tues.-Thurs.

Baseball:
Seton Hall. 3 p.m., Tiger Field. (656-2101)

29 Wednesday

Union short course:
Hammock Making. 5:30-8 p.m. $35. (656-2461)

30 Thursday

Agriculture social:
First Agriculture Council Barbecue. 4-7 p.m. Tickets $2. Open to all agriculture faculty, staff, students and their spouses. (Chip Rauch, 656-6527)

30-April 1 Thurs.-Sat.

Union film:
"Bull Durham." 7 & 9:15 p.m., Y-Theater, free. (656-2461)

31 Friday

Mechanical Engineering seminar:
"Modern Heat Recovery System Design" by J.L. Robertson, Exxon Research. 2:30 p.m., 300 Riggs Hall, free. (656-3470)

Black Awareness concert:
"S.C. State Jazz Band." 8 p.m., Tillman Auditorium, free. (656-4531)

Awards dinner:
Clemson Medallion dinner. Littlejohn Coliseum, 7 p.m. Opening reception at 6 p.m. $30. (656-2345)

Union concert:
"Barrel House Blues." 9 p.m., Edgar's, $2. (656-2461)

31-April 2 Fri.-Sun.

Baseball:
South Carolina. 3 p.m., Tiger Field. (656-2101)

April

1 Saturday

Centennial exhibit:
"Southern Victorian Women." Cooper Library. (656-3022)

1-2 Sat.-Sun.

Centennial open house (campus-wide):
"Cornerstone Weekend." Featuring concerts, exhibits, a picnic on Bowman Field, skydivers, hot air balloons, fireworks and the replacing of the Tillman Hall cornerstone time capsule. (656-2061)

Union short course:
English-style Horseback Riding. 9 a.m.-noon, $25. (656-2461)

3 Monday

Centennial lecture:
"A History of the Town of Calhoun" by W.J. Megginson, professor, Drexel University. 4 p.m., Clemson Fort Hill Presbyterian Church. (656-3942)

Baseball:
Davidson. 7 p.m., Tiger Field. (656-2101)

3-7 Mon.-Fri.

Preregistration.

3-9 Mon.-Sun.

Architecture exhibit:
"Concept of Dwelling." Lee Gallery. (Jon Meyer, 656-3883)

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

'Sexual Etiquette' to be discussed March 2

The director of Emory University's Family Planning Program will speak on "Sexual Etiquette 101" March 2 at 7:30 p.m. in Lyles Auditorium.

Robert A. Hatcher, M.D., professor of gynecology and obstetrics at Emory, will focus on learning how to negotiate in intimate relationships, on discovering techniques to develop honest and open communication and on assuring a safe and healthy lifestyle for partners.

He will explain the options of abstinence, absolute monogamy and consistent use of condoms.

Sponsored by Redfern Health Center and the University's AIDS Task Force, Hatcher's talk will include discussion from student panel members and the audience.

Hatcher co-authored "Contraceptive Technology," an authoritative text on contraception used as a reference in nearly every health center in the United States.

Renter's Info Fair to be held March 8, 14

If you have a place you'd like to rent — or if you're looking to rent one — the Renter's Information Fair just might help you make the right connection.

The fair will be held Wednesday, March 8, and Tuesday, March 14, from 2-7 p.m. in the Palmetto Ballroom.

Students, faculty and staff will be able to find out from area property managers about the types of housing available locally. Area utilities representatives also will be on hand to answer questions concerning deposits and hookups.

Also panel discussions on "You and Your Lease" will be held in the Senate Chambers from 5-6 p.m. March 8 and from 7-8 p.m. March 14.

The discussions will feature an attorney and property managers answering questions on who is legally responsible for pets, security deposits, lease terms and repairs.

The event is sponsored by the new Renters Information Center, located in the Clemson House.

Gina Summer is the program's coordinator.

For more information, call Summer at 656-4447.

Symphonic Band to perform March 7

The University Symphonic Band will perform March 7 at 8 p.m. in Tillman Hall Auditorium.

The free concert is sponsored by the performing arts department.

For details, call 656-3043.

Don't let unauthorized telephone callers hang you up

For those of you who are tired of having your workday interrupted by telephone sales pitches, here's your chance to help the Personnel Office do something about them.

Unauthorized telephone solicitations have been a widespread campus problem of late, says Personnel Director Ray Thompson, and the best way to stop this kind of harassment is by playing along.

"Rather than hanging up, employees who receive such calls should try to get the caller's

name, company and telephone number, then report them to the Personnel Office," says Thompson. "We'll take it from there and do our best to put a stop to it."

Thompson says many of these unauthorized callers imply that they have Clemson's permission to call when, in fact, the Personnel Office has not authorized any companies to solicit University employees.

Since Personnel has no idea how reputable any of these companies are, Thompson urges employees to be wary and to avoid providing the callers with any personal or credit card information.

If you can provide any helpful information, call Personnel at 656-2426.

Briefly

Women's History lectures

In a pair of lectures commemorating Women's History Week, Professor Mary Martha Thomas of Jacksonville University will speak Tuesday, March 7, on "Women in Search of Their History" at 8 p.m. in Lyles Auditorium. A reception will follow, sponsored by the Association of Women Professionals.

On Wednesday, March 8, Thomas will lead a roundtable discussion on "Writing Southern Women's History" in the Jordan Room at 3:30 p.m. Refreshments will be provided by the Clemson Chapter of Professional Secretaries International.

Thomas' presentations are sponsored by the history department and the College of Liberal Arts through an endowment established by Edythe and Robert Lambert.

For more information, call Rameth Owens at 656-5370.

Dallas Brass

The Dallas Brass, an innovative brass quintet that includes a percussionist, will perform here for the second consecutive year March 13 at 8 p.m. in Tillman Auditorium.

Since its founding in 1982, the Dallas Brass has rapidly developed a national reputation for style and musical artistry. The group brings a new dimension to the traditional brass quintet with selections ranging from Mozart to Copland and Glenn Miller to Lionel Richie.

The quintet has opened for Cleo Laine and Spyro Gyra and most recently performed on a Bob Hope Show.

Tickets, $6 for students and senior citizens and $8 for others, can be purchased at the University Union Box Office.

For more information, call 656-2461.

C.U. After Six

The C.U. After Six Singers will present "Kaleidoscope," a free musical review of the past 60 years, March 9-11 in Tillman Auditorium.

Thursday and Friday performances will be at 8 p.m., and the Saturday performance will be at 7 p.m.

The show features music from each decade, beginning with the 1930s, while a narrator relates historical events, styles, fads and entertainment news of the period.

Selections include such popular hits as "It Don't Mean A Thing If It Ain't Got That Swing," "Chattanooga Choo Choo," "Rock Around the Clock," "Mr. Sandman," "Twist and Shout" and "Aquarius," as well as songs from the Broadway musicals "Kiss Me Kate," "Godspell," "I Love My Wife" and "Les Miserables."

The group, 17 singers and an eight-piece band, is directed by Mark Jessie, director of choral activities in the performing arts department.

For more information, call 656-3043.

Proposal deadline

The Clemson University Housing Institute is seeking faculty proposals on residential housing issues facing South Carolinians.

Proposals are due March 15 and should be no more than two pages. Requests should be limited to $2,000. Proposals should include:

- topic and brief description of proposal;
- impact or end results anticipated; and other applicable items, such as
- extent of inter-disciplinary collaboration;
- involvement of local and state officials; and
- potential for additional outside funding.

Proposals will be evaluated on conformance to CUHI criteria, impact on housing in the state, likelihood of success, and innovation.

All work on the projects must be complete by June 30.

Proposals should be sent to:

R.A. Spray, Director
C.U. Housing Institute
210 McAdams Hall.

For more information, call 656-4072.

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Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams
Assistant Vice President, University Relations ..... Margaret Pridgen

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, March 3 for March 15 issue.**

Clemson WEEKLY
Vol. 28, No. 29 March 9, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

'89-'90 state pay raise picture remains 'uncertain' for now

The latest look at next year's pay raise picture for Clemson employees is, in a word, "uncertain," says the chairman of the Commission on Classified Staff Affairs.

"At this point, we are hearing conflicting reports from the General Assembly," says John Clemens.

"The most recent report is that state employees could receive a 3 percent base pay increase (cost-of-living raise) and a one-time cash bonus based on annual salary," he says. "At last word, there was no provision for merit."

Clemens says the Commission is concerned over the possible lack of merit pay, "however, the budget process is far from over, and we are hopeful that our state legislators will understand our concerns and do as much as possible for state employees."

Clemens says the Commission is equally concerned that employees could end up paying more for the same health and insurance benefits they receive now.

Several plans, he says, have mentioned the possibility of:

- major medical deductibles increasing from $100 to $200;
- hospital deductibles increasing from $150 to $200; and
- insurance premiums for dependent coverage increasing 15 percent.

"Initial reports indicated that these cost increases would somehow fund pay increases," says Clemens, "however, the officials I have spoken to say there is no connection between the two."

The House Ways and Means Committee should present its final proposal sometime within the next two weeks.

The budget bill must then be considered by the state Senate.

Staff Commission to meet March 14

The next meeting of the Commission on Classified Staff Affairs will be Tuesday, March 14, at 10 a.m. in 113 Lehotsky Hall.

Jim Pope, director of Fike Recreation Center, will discuss possible changes at Fike, and Dick Simmons, assistant Personnel director, will discuss new compensation plans being developed by the state.

All interested employees are welcome.

For more information, call Commission Chairman John Clemens at 656-3216.

Staff Commission scholarship program to benefit children of C.U. employees

Beginning in late April, the Commission on Classified Staff Affairs will start a drive to raise funds for a scholarship program for the children of currently employed, full-time, classified staff.

"We're very proud of this accomplishment," says Commission Chairman John Clemens.

"It makes a statement that says we're supporting two things very important to us — our children and Clemson University."

The scholarship is to begin in the fall semester of 1990.

The Commission will present proceeds from its fund drive to the C.U. Foundation.

The proceeds will be used to fund the scholarships and to begin building an endowment, which will be established when the fund reaches at least $10,000.

Scholarships will be awarded for one year only, with preference given to students demonstrating financial need. Applicants will be required to document eligibility.

Briefly

Blue Key is looking

The local chapter of Blue Key National Honor Fraternity is looking for any faculty, staff or graduates on campus who have been initiated into Blue Key either here or at another college or university.

Please send your name and college affiliation to Blue Key Advisor Chris Sieverdes at O-308 Martin Hall or call him at 656-3819 or 656-3238.

Dropout preventers

Entertainer Bill Cosby and South Carolina native Esther Baskin Ferguson presented awards to two South Carolinians at a recent New York City dinner held to generate support for the National Dropout Prevention Center. Ferguson, a Hartsville native, established the Center in 1986.

Melvin Smoak, assistant superintendent of schools for Orangeburg District 5, received an Outstanding Educator award for his work in reducing the dropout rate during his tenure as principal at Orangeburg-Wilkinson High School.

Melissa Michelle Cornett, a student at S.C. State College, received an Outstanding Achievement award for her perseverance in returning to high school after twice dropping out.

More than 850 community and business leaders from across the nation attended the dinner organized by Ferguson to focus attention on the dropout crisis.

Lee makes three

The Association of Collegiate Schools of Architecture has selected Alumni Professor of Architecture Peter Lee as one of five recipients of its National Distinguished Professor Award, the architecture profession's highest recognition of teaching.

Lee becomes the third Clemson faculty member to receive this award. The others are Harold Cooledge Jr. and Harlan McClure.

Clemson is the only university in the nation with this many distinguished professor award recipients.

Special Collections moves

Imagine moving almost 100 tons of belongings, including many irreplacable items more than 400 years old.

When you figure in that many people need access to this material daily for research, you have some idea of the challenge facing the Libraries' Special Collections unit as it prepares to move into the new Strom Thurmond Institute building this month.

Special Collections Head Michael Kohl says nearly 5,000 boxes of manuscripts and University archives, as well as about 15,000 volumes of books, have been packed and are ready to be moved.

To speed the move and decrease the department's "down time," Kohl says Special Collections will suspend its operations for at least part of this month, so researchers are urged to plan accordingly.

For more information on what materials will be available and when, call Special Collections at 656-3031.

United Way up

Although the University fell short of this year's $60,000 United Way goal, faculty and staff contributions to the campaign were up some 3 percent from last year, an indication of an even better performance next year, says University United Way Liaison Brenda Blankenship.

"We achieved roughly 93 percent of our 1988-89 United Way goal," says Blankenship, "which translates into a $56,000 boost to area charitable organizations like the Salvation Army and the Red Cross.

"We hope the trend of increased giving to the United Way will continue," she says. "Next year, we hope to coordinate our activities more closely with the students so that the entire University can raise those last few dollars needed to reach our goal."

If you're interested in helping the United Way, call Blankenship at 656-3178.

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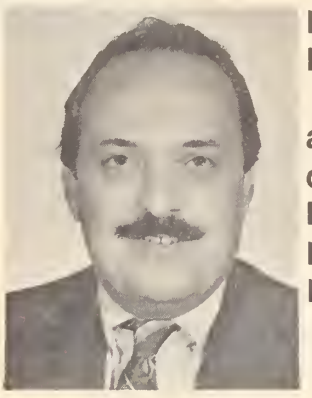
Jonee Daniels

director of business affairs

Roger Patterson

director of accounting for related organizations



Robert H. Becker

associate dean for Forest and Recreation Resources

Two join financial management

Two new employees have joined the financial management office in the Division of Business and Finance.

Jonee Daniels, the new director of business affairs, oversees:

- the bursar's office, which receives more than $125 million in deposits annually;
- the student accounts receivable office, which assesses more than $45 million in student fees annually; and
- the collection office, which is responsible for collecting past-due student accounts.

Daniels also directs all activities for the financial management office that relate to the student registration process.

She assures University compliance with regulations for the disbursement and collection of federal and institutional financial aid funds.

Roger Patterson is the Financial Management Office's director of accounting for related organizations.

He is responsible for directing all accounting and financial management activities of the C.U. Foundation, the C.U. Research Foundation and the Clemson Alumni Association, the Founders of the Strom Thurmond Institute, and other organizations related to the University.

The total assets of these organizations exceed $35 million.

Becker named associate dean

Robert H. Becker has been named associate dean for the College of Forest and Recreation Resources.

Becker's responsibilities will include the promotion of college goals as well as development of long-range strategic plans, programs and new research initiatives. He will continue as director of the Regional Resources Development Institute here.

Becker has been a Clemson faculty member since 1981. He earned a doctorate in natural resources management and community development from the University of Maryland.

Open houses to demonstrate new typesetting services

University Printing Services will host a pair of open houses Monday, March 13, featuring tours, refreshments, and a preview of that department's new typesetting services.

One of the open houses will be held from 8 a.m. to 4:30 p.m. in the lower level of the Dillard Building. Participants will tour the typesetting, offset printing and binding sections and watch a printing demonstration using the new DEST electronic scanner, Macintosh computers and Linotronic L-300 typesetter.

"Typesetting is a brand new service that we're offering," says UPS Director Margaret Hunnicutt. "Before, we could only print pretypeset copy; now we can typeset hard copy or copy directly from any IBM-compatible diskette."

The other open house will be held from 11 a.m. to 6 p.m. in UPS's new Union Copy Center on the seventh level of the Union.

The center houses two self-service copy machines and two special copiers. One is a Xerox 1090 that prints, collates and staples copies in one run. The other copier is a Xerox 2510 that prints on 36-inch wide paper, which is used for engineering and architectural drawings.

The center also provides stapling and binding services.

The center is open Monday-Friday from 8 a.m. to 8 p.m. and on Saturday from 9 a.m.-6 p.m.

For details, call Hunnicutt at 656-2041 or Union Copy Center Supervisor Dee Willis at 656-2725.

Builder, businessman to receive Clemson Medallion

The builder of one of the modern wonders of the world and a retired business executive will be honored this month with the University's highest public award, The Clemson Medallion.

S.E. (Sam) Liles Jr., a McColl native who lives in Virginia Beach, Va., and Philip H. Prince of Pawleys Island will receive the tribute Friday, March 31, during a $30-a-plate public dinner in Littlejohn Coliseum.

Liles, a 1927 Clemson graduate, is best known for his work on the Chesapeake Bay Bridge-Tunnel. The 17.6-mile passage connecting Virginia Beach with the Virginia Eastern Shore has been described as one of the modern wonders of the world.

His support for Clemson includes a $500,000 gift to endow the S.E. Liles Jr. Distinguished Professorship in Construction Engineering.

Prince, a 1949 Clemson graduate and co-captain of the undefeated 1948 football team, is a retired senior vice president of The American Express Co.

He is president of the C.U. Foundation and a recipient of the Alumni Association's Distinguished Service Award.

S.E. (Sam) Liles Jr.

Philip H. Prince

Last year he established the Prince Presidential Scholars endowment, which will eventually reach at least $900,000, to boost Clemson's ability to recruit academically outstanding students.

The Medallion recognizes sustained commitment and significant service to the University.

Make Medallion reservations now

The deadline to make reservations for the March 31 Clemson Medallion dinner is Friday, March 24.

Reservations are being accepted now by the Alumni Relations Office.

The dinner will be held at 7 p.m. in Littlejohn Coliseum.

A reception, beginning at 6 p.m., will precede dinner.

For tickets, at $30 each, send a check made payable to "Clemson Medallion Dinner" to:

Clemson Medallion,
Alumni Center.

For more information call the Alumni Center at 656-2345.

Clemson Apparel Research to demonstrate new process

The Clemson Apparel Research (CAR) facility in Pendleton is expanding its demonstration capabilities from sea-green military shirts to button-down dress Oxfords produced by Land's End, a mail-order clothing company based in Dodgeville, Wis.

Land's End has asked the facility to demonstrate how that company's Oxford shirts could be manufactured on CAR's high-tech equipment. To that end, the apparel industry's machinery manufacturing group will donate $500,000 worth of equipment to CAR.

"Because we are a demonstration facility — not an Army shirt factory — we think it is very realistic to show more than one garment on the industry's state-of-the art equipment here," says Ed Hill, CAR site manager.

"We will show how to manufacture Pinpoint Oxford shirts that meet Land's End specifications."

Since demonstration of equipment and management systems — not garment production — is CAR's objective, actual production will be limited to approximately 200 shirts per week.

CAR opened last November, approximately one year after the U.S. Defense Logistics Agency awarded Clemson a multi-million-dollar grant to establish and operate a demonstration facility with state-of-the-art technology.

The contract authorized the facility to demonstrate various apparel-making equipment by producing men's short-sleeve military shirts.

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WEEKLY
Vol. 28, No. 30 March 17, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Fort Hill Conference to feature top Southern history scholars

The nation's foremost scholars of Southern social history will visit Clemson April 9-12 to participate in the first Fort Hill Conference on Southern Culture.

The theme of the conference, "Women, Family and Marriage in the Victorian South, 1837-1900," was chosen to honor the marriage of Anna Maria Calhoun and Thomas Green Clemson.

The program includes:

• Pulitzer Prize winner C. Vann Woodward, Sterling Professor of History Emeritus at Yale University

• Elizabeth Fox-Genovese, director of women's studies at Emory University

• Drew Faust, Stanley Sheer Professor of History at the University of Pennsylvania

• Eugene Genovese, Visiting Distinguished Professor of History at the College of William and Mary

• Catherine Clinton, professor of American studies at Brandeis University

• Bertram Wyatt-Brown, professor of history at the University of Florida

• James Roark, Samuel Candler Dobbs Professor of American History at Emory University

• Carol Bleser, Kathryn and Calhoun Lemon Distinguished Professor of History at Clemson and one of the conference's primary organizers.

The public is invited. Advance registration is $15 and is required by Friday, March 24.

For details, call the Fort Hill Conference office at 656-2856.

Reminders:

- **Spring Break** is March 20-24.
- **Employee holidays** are March 23 and 24.
- **There will be no *Clemson Weekly* next week.** The next issue is scheduled for March 29.

Clemson names leader for $2.2-million project

The University has named Verne W. House to direct a $2.2 million program that will provide leadership development training to citizens of rural South Carolina communities.

The training phase of the three-year Palmetto Leadership project, financed by the W.K. Kellogg Foundation and Clemson, is under way in four pilot counties: Abbeville, Dillon, Kershaw and Saluda.

When this training is complete, the curriculum developed by Clemson faculty will be used in other South Carolina counties.

Ultimately the program will serve as a national model.

House, a Wyoming native, earned degrees in agricultural economics from the University of Wyoming and Washington State University.

He previously worked as a public affairs specialist with the Montana State University Extension Service.

His work in Montana was primarily with agricultural and water policy and state and local tax issues.

Verne W. House

the new director of the Palmetto Leadership project

In Montana, he also coordinated a rural leadership program partially funded by the Kellogg Foundation.

Briefly

Insidious restraints

On Wednesday, March 29, sociology Professor Kelly Crader will speak on "Insidious Restraints on the Use of Microcomputers for Classroom Applications" at 4 p.m. in E-202 Martin Hall.

Crader's talk is sponsored by the sociology department.

For details, call 656-3238.

Symbols in the landscape

On Wednesday, March 29, John Winberry, professor of geography at the University of South Carolina-Columbia, will speak on "Symbols in the Southern Landscape: Themes of Continuity and Change" at 7 p.m. in 200 Hardin Hall.

The free lecture is sponsored by the history department.

For more information, call Lawrence Estaville at 656-3153.

Tomfoolery in Edgar's

An encore performance of the musical revue "Tomfoolery" will be offered — dinner theater style — in Edgar's on Saturday, April 1, in conjunction with Cornerstone Weekend.

The show, featuring the satirical songs of Tom Lehrer, was first presented by the Clemson Players last summer.

On April 1, the buffet dinner begins at 7 p.m. with the performance following at 8 p.m.

Tickets will be priced at less than $10 and will be on sale at the University Union box office.

Call the Union at 656-2461 for details.

Tigers Trot

Runners take note: the Sixth Annual Calhoun Courts/East Campus Tiger Trot will be held on campus Saturday, April 8.

The "Trot," which will benefit the American Cancer Society, will feature 10K, 5K and 2K races, as well as a 30K bike race and a volleyball tournament.

You can register at the event, but if you'd like a free T-shirt, you need to register by Wednesday, March 29.

The cost is $7. To register, call Kate Stitt at 656-6187 or Tony McGuirt at 656-4360.

Concourse Botanique

The Botanical Garden will host "Concourse Botanique," a springtime educational and cultural festival, April 8-9.

Concourse Botanique will feature the music of a chamber orchestra from Clemson, arts and crafts exhibits, clowns, and ballet performances.

The festival will be held from 10 a.m. to sunset Saturday and from noon until sunset Sunday.

Saturday's events will include plant specialists discussing home and landscape gardening topics such as organic gardening, ornamental plant selection and houseplants.

There also will be a plant sale and booths where plant industries will exhibit their products.

The educational program will include a specialist discussing a specific plant variety. This year's focus will be on asiatic lilies.

For details, call Ernie Denny at 656-4954.

Summer coordinates Renters' Info Center

Gina Summer has joined the University as assistant director for residential services. She will coordinate the University's new Renters' Information Center.

Summer's primary responsibility will be to provide information about off-campus housing to students, staff and faculty.

She will also:

- develop new programs and educational materials to enhance landlord-tenant relations;
- develop a tenants rights program including information on local, state and federal laws;
- coordinate an information system for off-campus students; and
- serve as a community liaison.

Summer earned a bachelor's degree in administrative management here.

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Clemson WEEKLY
Vol. 28, No. 31 March 30, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

University adopts new drug-free workplace policy

In response to new federal legislation, Clemson has adopted an interim policy dealing with drug abuse in the work place.

The new interim policy was approved by the President's Cabinet March 20, and will go into effect permanently in 30 days.

Basically, the policy requires employees to report to work drug free and to avoid any involvement with controlled substances while at work or on University business.

In addition, the policy requires employees to report any drug convictions to the University within five days.

"Clemson's policy is patterned after a state personnel policy distributed to S.C. agencies within the last two weeks," says John Newton, associate vice president for personnel management.

Newton says the new policy was prompted by the Drug-Free Workplace Act of 1988, a federal law that requires any agency or institution receiving federal funds to have written policies prohibiting the unlawful manufacture, distribution, use or possession of controlled substances in the workplace.

Testing won't be an issue for most employees

The University is also working on a policy response to new drug-free work force regulations from the Department of Defense.

DOD regulations would apply only to a small number of employees in sensitive positions who are involved in classified research.

Under some circumstances, those regulations might require drug testing for people in sensitive positions — for example:

- the "managerial group" authorized to administer classified DOD contracts (Board Chairman Louis Batson, President Max Lennon, and the vice presidents for academic affairs, administration, business and finance, and research),
- principal investigators, and
- other personnel on specified DOD contracts.

Vice President for Research Jay Gogue will head an ad hoc task force of administrators, researchers, and faculty, student and staff representatives to draft the policy.

"There was some confusion last week when a very preliminary draft was circulated that addressed both policy issues in one document," Gogue says.

"What we've tried to do is separate the two issues and address them independently, with the proper input and review."

Help available for employees

The University's Employee Assistance Program is available to help employees seek confidential counseling or treatment for substance abuse problems, including alcohol abuse.

For more information, call the Personnel Office at 656-2426.

Clemson's policy

Clemson's policy applies to all controlled substances except alcohol and tobacco, and covers three areas:

1. It states that employees *"are expected and required to report to work on time and in appropriate mental and physical condition for work."*

2. It prohibits *"the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance on Clemson University premises or while conducting official business off Clemson University premises."*

Violations of this policy will result in disciplinary action, up to and including termination, and may have legal consequences.

("Reporting to work under the influence of alcohol or drugs or partaking of such things during working hours" is already listed among examples of "causes for disciplinary action" under the University's Progressive Discipline Policy, as revised in 1982.)

3. It requires faculty and staff, as a condition of employment, to abide by the policy and, within five days, to *"report any conviction under a criminal drug statute for violations occurring in the workplace or off premises while on official business."*

Also, the University must then notify the appropriate federal funding agency within 10 days after receiving that notice.

These reporting requirements are mandated by federal law.

Briefly

Political leanings

On Tuesday, April 4, syndicated columnist Mark Shields will speak on "Politics 1989: How We Got Here and Where We Might Be Headed" at 8 p.m. in Lyles Auditorium in Lee Hall.

Shields also is a political analyst for the *MacNeil/Lehrer NewsHour* on PBS.

His speech, sponsored by the Strom Thurmond Institute, is free and open to the public. A reception will follow in Lee Gallery.

For more information, call Julie Craig at 656-4700.

Tomfoolery in Edgar's

An encore performance of the musical revue "Tomfoolery" will be offered — dinner theater style — in Edgar's Saturday, April 1, at 7 p.m.

Tickets are less than $10 each and are on sale at the University Union Box Office.

For details, call the Union at 656-2461

College for senior citizens

The 19th annual College Week for Senior Citizens will be held here May 22-26 and May 30-June 3.

Participants will attend a variety of sessions on crafts, fitness, gardening, cooking, money management and computers.

Special events this year will include a health and fitness fair, an international travel festival and a big-band dance.

Each session will cost $145, including meals, lodging and activities. A special "day tripper" rate will be available for $50 (excludes most meals and lodging).

For details, call the parks, recreation and tourism management department at 656-3400.

Don't wait for retirement

Personnel Services will host a pre-retirement education seminar May 16-17 for employees within five years of retirement eligibility.

But don't wait — the deadline to register is Wednesday, May 3.

Topics will include retirement and social security benefits, financial planning and investments, legal affairs, insurance, and health and leisure.

For details, call Frances Holliday at 656-3367.

Have alumni — will travel?

The Alumni Association is looking for faculty interested in speaking to Clemson alumni groups across the country.

So if you're a faculty member who has plans to travel and can give Alumni Center staffers eight weeks' notice, they will make all the arrangements.

"This would be a good opportunity for our alumni to meet some of our outstanding faculty," says Brian O'Rourke, director of field services.

For more information, call the Alumni Center at 656-2345.

Cornerstone excitement

Look for fireworks April 1-2 as the University celebrates Cornerstone Weekend.

The weekend's central event will be the replacing of the Tillman Hall cornerstone and time capsule at noon Saturday, April 1.

The campuswide celebration also will feature skydivers, a hot air balloon ascension, fireworks, a picnic on Bowman Field, free concerts, and sports events. Storytelling, face painting and photographs with the Tiger mascot will be available for the children.

Cornerstone Weekend will be held from 10 a.m. to 10 p.m. Saturday, April 1, and from 2 p.m. to 5 p.m. Sunday, April 2.

For more information call University Relations at 656-2061.

4-H Mini-Fair

Pickens County 4-Hers will host their own version of a county fair April 6-8 at the Foothills Mall in Easley.

Open to the public, the 4-H Mini-Fair will feature a variety of 4-H projects on everything from computers to animals.

On Saturday, April 8, 4-Hers will practice maneuvering tractors through an obstacle course and will hold a bicycle rodeo.

For details, call Talley West at 868-2810.

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Clemson

EVENTS

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

April 1-12

1-2 Sat.-Sun.

Campuswide Open House — "Cornerstone Weekend."
(Centennial Committee, 656-2061)

Saturday, April 1:
10 a.m. — (Tillman Hall) Centennial Footpath dedication and Folksmarch;
11 a.m. (Bowman Field) — Dixie Skydivers;
11:30 a.m. (Bowman Field) — C.U. Band concert;
Noon (Tillman Hall) — cornerstone/time capsule replacement ceremony;
12:30 p.m. (Bowman Field) — picnic, Carillon concert;
2 p.m. (Death Valley) — Dixie Skydivers, Orange/White football game;
4 p.m. (Alumni Center) — "Jungaleers" dinner/dance;
5 p.m. (Bowman Field) — Hot-air balloon ascension;
7 p.m. (Edgar's) — Clemson Players: "Tomfoolery";
7 p.m. (Tiger Field) — Clemson-USC baseball game;
9:30 p.m. (behind Tiger Field) — Fireworks.

Sunday, April 2:
2 p.m. (Tiger Field) — Clemson-USC baseball game.

1-2 Sat.-Sun.

Union short course — **Horseback Riding II.** (656-2461)

Baseball — **South Carolina.** 3 p.m., Tiger Field. (656-2101)

1-6 Sat.-Thurs.

ROTC Week

2 Sunday

Union film — **"Eight Men Out."** 7 & 9:15 p.m., Y-Theater, free with University I.D. (656-2461)

Union film — **"The Wizard of Oz."** 2 p.m., Y-Theater, $1. (656-2461)

Union short course — **Teamwork Building** (Ropes Course). Open to all faculty, staff and students. Chattooga Outpost. $15. Minimum of 8 people required. (656-2461)

3 Monday

Centennial lecture — **"A History of the Town of Calhoun"** by W.J. Megginson, professor, Drexel University. 4 p.m., Fort Hill Presbyterian Church, Clemson. (Centennial Committee, 656-3942)

ROTC Week event — **Air Force ROTC Open House.** 4-5:30 p.m., 3rd floor, Tillman Hall. (Sandra Severance, 656-3670)

Baseball — **Davidson.** 7 p.m., Tiger Field. (656-2101)

3-4 Mon.-Tues.

ROTC Week event — **"Original artwork depicting Air Force life"** by Floyd F. Wilson. University Union. (Sandra Severance, 656-3670)

3-7 Mon.-Fri.

Preregistration

3-9 Mon.-Sun.

Architecture exhibit — **"Concept of Dwelling."** Lee Gallery. (656-3883)

4 Tuesday

Men's tennis — **Georgia Tech.** Sloan Tennis Center. (656-2101)

Strom Thurmond Institute lecture — **"Politics 1989: How We Got Here and Where We Might Be Headed"** by Mark Shields, syndicated columnist and political analyst for the *MacNeil/Lehrer NewsHour* on PBS. 8 p.m., Lyles Auditorium, Lee Hall. Reception follows, Lee Gallery. Free, open to public. (Julie Craig, 656-4700)

4-5 Tues.-Wed.

Lillian & Robert Utsey Chamber Music Series — **Lillian Harder, pianist.** 8 p.m., Daniel Auditorium, free. (Performing Arts, 656-3043)

5 Wednesday

Women's tennis — **Wake Forest.** Sloan Tennis Center. (656-2101)

Union short course — **Bartending.** 7-9 p.m. $8. (656-2461)

Union film — **"Smithereens."** 7 & 9:15 p.m., Y-Theater, $1.75. (656-2461)

5-7 Wed.-Fri.

ROTC Week event — **Air Force Specialty Theater Van.** Highlights of Air Force advancements in high technology. April 5-6, 8 a.m.-5 p.m. April 7, 8-11:45 a.m. (Sandra Severance, 656-3670)

6 Thursday

Founder's Day Prayer Service. 5 p.m., St. Paul's Episcopal Church, Pendleton. (656-2345)

ROTC Week event — **Army/Air Force ROTC Pass in Review.** 3:30 p.m., Bowman Field, free. (Ben Ivey, 656-3107, or Sandra Severance, 656-3670)

6-8 Thurs.-Sat.

Union film — **"Young Guns."** 7 & 9:15 p.m., Y-Theater, $1.75. (656-2461)

7 Friday

Mechanical Engineering seminar — **"Rubber Elasticity and Fracture"** by M.C. Shaw, professor of mechanical and aerospace engineering, Arizona State University. 2:30 p.m., 300 Riggs Hall, free. (656-3470)

Performing Arts' concert — **C.U. Chorus.** 8 p.m., Tillman Auditorium, free. (656-3043)

Union concert — **"Nuclear Choir."** 9 p.m., Edgar's, $2. (656-2461)

Women's tennis — **Trinity.** Sloan Tennis Center. (656-2101)

8 Saturday

Honors and Awards Day (Calhoun College, 656-4762).

Special event — **"Sixth Annual Tiger Trot."** 10K, 5K, 2K runs, 30K bicycle race, volleyball tournament. First race at 10 a.m., $7 registration fee. (East Campus Housing, Kate Stitt, 656-6187)

Union special event — **"Spring Fling."** 10 a.m., Bowman Field — music, shagging demonstrations and a 100-foot-long Centennial submarine sandwich. 4 p.m., Outdoor Theater — beach bands "The East Coast Rivieras" and "The Swinging Medallions." (656-2461)

8-9 Sat.-Sun.

Spring festival — **"Concourse Botanique."** 10 a.m.-sunset April 8; noon-sunset April 9. Botanical Garden. Educational/cultural festival featuring music, arts and crafts exhibits, clowns, ballet performances and plant specialists. Free, open to public. (Horticulture, Ernie Denny, 656-4954)

9 Sunday

Union film— **"Scarface."** 7 & 10 p.m., Y-Theater, free with University I.D. (656-2461)

9-12 Sun.-Wed.

Fort Hill Conference on Southern Culture — "Women, Family and Marriage in the Victorian South, 1837-1900." Featuring Pulitzer Prize-winning historian C. Vann Woodward and top U.S. scholars of Southern social history. (Centennial Committee, 656-2856)

10 Monday

President's Honors Lecture — "The University and the Economic World in the 21st Century" by Nobel Prize-winning economist George Stigler. 8 p.m., Lyles Auditorium, Lee Hall. (Calhoun College, 656-4762)

11 Tuesday

Meeting — **Staff Commission.** 10 a.m., 113 Lehotsky Hall. All interested employees welcome. (John Clemens, 656-3216)

Meeting — **Faculty Senate.** 3:30 p.m., Senate Chambers. All interested faculty welcome. (Ron Nowaczyk, 656-4984)

Architecture lecture — **"Concept of Dwelling"** by Christian Norberg Schulz. 8 p.m., Lyles Auditorium, Lee Hall. (656-4095)

12 Wednesday

Women in Higher Education Network meeting — "Career Fashions." Noon, Clemson Ramada Inn. (Cairen Withington, 656-5785)

Clemson
WEEKLY
Vol. 28, No. 32 April 7, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Trustees briefed on building projects, enrollment

Plans are moving forward to build a $13-million continuing education conference center and a $10-million performing arts facility here, Clemson Trustees were told at a meeting on campus last week.

Conference center

A site on Lake Hartwell, about a mile southwest of Cooper Library, has been selected by the Facilities Planning Committee for the continuing education center.

A construction contract for the center's first phase should be awarded by December, Planning Officer Mark Wright told the Board.

Phase one will include meeting rooms, offices and kitchen facilities funded by $5 million in state bonds. It is scheduled to be completed by May 1991.

Various options for the second phase, which would include lodging accommodations, are under study.

Performing arts center

A national design competition for the performing arts center ended March 31 with 230 submissions, Wright said.

A committee of seven architects, including College of Architecture Dean Jim Barker, will select three to five finalists to develop detailed proposals. The finalists were to be announced today (April 7).

The $10-million target budget includes $7 million of plant improvement bonds from student fees, with the remainder to come from private funding.

The construction contract is scheduled to be awarded next spring, with completion projected for late 1991.

Fall enrollment

Clemson will enroll 2,700-2,800 freshmen for fall 1989, Student Affairs Vice President Nick Lomax told the Trustees. That will be a decrease from the 2,885 freshmen in fall '88.

On-campus student housing will be "extremely short" during

(Continued on back)

Uniform controversy, new EPMS highlight meeting

The March meeting of the Commission on Classified Staff Affairs featured presentations on Fike Recreation Center and the state's new Employee Performance Management System forms.

Fike

DeWilla Gaines, associate director of intramural sports, reported that the department was considering doing away with Fike Recreation Center's free uniform service by the end of this semester, perhaps opting to institute an extra charge for the service.

(Intramural sports has since decided to charge an additional $50 per year for the uniform service, although the towel service and all other privileges will remain the same. Details will follow in next week's Clemson Weekly.)

EPMS

Dick Simmons, assistant Personnel director, reported on the state's new EPMS guidelines that will go into effect here July 1.

Among the changes:

- EPMS training will be mandatory for all employees, including supervisors.
- There are now four performance levels:

E — substantially exceeds performance requirements

AM — exceeds performance requirements

M — meets performance requirements

B — below performance requirements.

- "Success criteria" will be developed for each job duty and objective. EPMS forms must specify the expected level of performance necessary to obtain a "meets performance requirements" rating.

Staff Commission to meet April 11

The next meeting of the Commission on Classified Staff Affairs will be held Tuesday, April 11, at 10 a.m. in 113 Lehotsky Hall.

All interested employees are welcome to attend.

For more information, call Commission Chairman John Clemens at 656-3216.

Briefly

Nobel economist speaks

Nobel Prize-winning economist George J. Stigler will present the University's third Centennial lecture April 10 at 8 p.m. in Lee Hall's Lyles Auditorium.

As part of the spring semester Centennial focus on "The University and the Economic World in the 21st Century," Stigler will predict economic trends in higher education for the next 50 years.

His lecture and a reception in the Rudolph E. Lee Gallery are open to the public at no charge.

Stigler received the Nobel Prize in Economic Science in 1982 for his work on public regulation and the economics of information. In 1987, he was awarded the National Medal of Science.

His principal area of research is economic theory, with emphasis on price theory, industrial organization, public regulation and the history of economics.

Teaching excellence

The C.U. chapter of The American Association of University Professors invites faculty to submit nominations for the annual Excellence in Teaching Award.

The award recognizes superior teaching efforts, as well as contributions to Clemson's student community.

(Trustees, from p. 1)

the fall, he said, but the University is committed to housing 2,400 freshmen.

Private giving

Institutional Advancement Vice President Gary Ransdell reported $8.25 million in private gifts for Clemson since July 1, 1988. He said the fund-raising goal for the fiscal year that will end June 30 is $12 million.

Other business

In action items, the Trustees granted departmental status to the experimental statistics unit within the College of Agricultural Sciences.

Nominations with supporting documentation should be submitted by Friday, April 21, to Helene Riley, 510 Strode Tower.

Awards will be presented during the general faculty meeting May 11 at 10 a.m. in Tillman Auditorium.

Commission elections

Elections for eight positions on the Commission on Classified Staff Affairs will be coming up the beginning of next month.

One position each is open in Student Affairs, in Academic Affairs and in Administration; with two in Business and Finance; and three in Agriculture and Natural Resources.

Each of those vice presidential areas will probably hold elections by the first week in May.

Send nominations by Friday, April 14, to:

Executive Committee,
Commission on
Classified Staff Affairs,
P.O. Box 2121,
Campus Mail.

Here's the election schedule:

— Friday, April 14:
Nominations due to the Executive Committee.
— Wednesday, April 26:
Nominees announced in *Clemson Weekly.*
— May 1-5:
Elections (scheduled).
— Wednesday, May 24:
Election results published in *Clemson Weekly.*

For details, call Commission Chairman John Clemens at 656-3216.

Honors and awards

The University will present its top student awards during the annual Honors and Awards Day ceremonies tomorrow, April 8.

The top University student awards will be presented during an 11:45 a.m. luncheon, hosted by President and Mrs. Max Lennon in the Tiger Den at Memorial Stadium.

Additional awards, recognizing more than 1,500 students, and guest lectures will highlight special ceremonies in each college.

Clemson Weekly is published for the faculty and staff of Clemson University by the Office of University Relations.

Editor, *Clemson Weekly* ..... Mark Ford
Director, News Services .....Catherine Sams
Assistant Vice President, University Relations ..... Margaret Pridgen

We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is MONDAY, April 10 for April 19 issue.**

Clemson
WEEKLY
Vol. 28, No. 33 April 12, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Fike uniforms to cost $50 extra per year

Starting July 1, Fike users interested in checking out uniforms will have to pay an additional $50 per year to do so.

The new $50 fee is not mandatory and will apply to students as well as faculty and staff, says Jim Pope, director of the intramural sports department.

"This fee is only for those members who wish to use the uniform service," says Pope. "The regular Fike membership will remain at $50 per year and will still include the towel service and all other usual privileges."

Pope says the uniforms charge was instituted to help offset rising maintenance and expansion costs associated with the rapid growth of intramural programs in recent years.

"Most of our members have indicated a desire for more equipment, more programs and longer hours of operation," he says.

"While many members liked the idea of a uniform service, it simply hasn't been as high a priority. We felt this was the least painful way to keep the service going while meeting majority demand."

Symphonic Band to perform Sunday

The C.U. Symphonic Band will present its traditional spring picnic concert Sunday, April 16, at 3 p.m. in the Outdoor Theater.

The concert will feature a light program of marches, show tunes, a medley of Civil War melodies and "some surprises," says Band Director Bruce Cook.

In case of rain, the concert will move indoors to Tillman Auditorium at 4 p.m.

Sunday festival features food from around the world

Mouth-watering baklava from Egypt. Refreshing cucumber punch from Indonesia. Spicy tandoori chicken from India.

These exotic delicacies and more will be featured at the Second Annual International Food Festival Sunday, April 16, from 1 p.m. to 5 p.m. in front of Cooper Library.

The food, prepared and served by members of the University's international student community, will represent the culinary traditions of a number of countries, including Indonesia, Malaysia, Pakistan, Turkey, India, Algeria, Germany, Egypt, Korea, Bangladesh, the Republic of China, the People's Republic of China and the Philippines.

Festival entertainment will include a belly dancer, juggler, vocalist and an international fashion show. And as a special attraction, students will write names of interested festival-goers in Chinese and Arabic.

Tickets — sold in 50-cent increments — can be purchased in advance from the Office of International Programs and Services (OIPS).

Tickets also will be available at the festival. Most food items will be sold for less than $2.

OIPS is located in E-208, Martin Hall. For more information, call Priscilla Phillips, 656-4185.

In case of rain, the festival will be held in the Palmetto Ballroom.

National design winners selected

The University has selected four finalists in the national design competition for the proposed performing arts center.

Selected from among 260 entries, the four design teams share the $100,000 prize equally. A winner will be chosen in late May.

The finalists are:

- Amy Christie Anderson, a licensed architect and member of the faculty at Columbia University in New York.
- Bartley Bronstein Long Mirenda, a Philadelphia, Pa., architectural firm.
- Graham Gund Architects Inc. of Cambridge, Mass.
- Sert, Jackson and Associates Inc. of Lincoln, Mass.

Eight other design groups were selected honorable mention.

The design competition was judged by a seven-member panel that included Dean of Architecture James F. Barker and Director of Design and Engineering Services Jerry Boyer.

Briefly

May be tough to catch

If you try to get in touch with Special Collections this week and can't — remember, they're in the process of moving into the new Strom Thurmond Institute building.

Thurmond Archivist Jim Cross looks for much of the unit's regular operation to be on hold until Monday, April 24, when Special Collections is scheduled to resume regular service.

For information, call 656-3031.

'Off to College' workshop

If you have a high school junior or senior who will soon be going to college, make plans to attend the Sunday, May 7, "Off to College" workshop sponsored by the Counseling and Career Planning Center.

The registration deadline is Wednesday, April 19. The cost is $50.

The 10 a.m.-4 p.m. workshop will focus on choosing a college major and preparing for the shift in study strategies required for success in college.

Those participating will receive the results of their own career-interest testing, counseling on their choice of major and instruction in specific techniques found to be effective in producing A's and B's in college.

For details, call the Counseling and Career Planning Center at 656-2451.

What is Kindermusik?

Teresa Grainger, a certified Kindermusik teacher here, will give a free Kindermusik demonstration Thursday, April 20, for parents of children ages 4-6 at 5:30 p.m. in 218 Daniel Hall.

Kindermusik involves the instruction of music to young children, allowing the parents to get involved as well.

For more information, contact Laura Hochheimer, associate professor of music, at 656-3856.

Trends in higher education

S.C. Commissioner on Higher Education Fred R. Sheheen will give his perspective on "Assessment and Evaluation Trends in Higher Education in South Carolina" Thursday, April 20, at the Clemson House.

Sponsored by the American Association of University Professors, Sheheen's talk will follow a 6:30 p.m. social hour and a 7:15 p.m banquet.

Tickets for the banquet cost $12 each.

For more information, call Cynthia A. Belcher in the College of Nursing at 656-5482.

Free dance performance

On Monday, April 24, the Clemson Dancers will present "On Stage," a free spring dance performance featuring Kinetic Theatre Ensemble members and guest artists.

The performance begins at 7:30 p.m. in Tillman Auditorium.

For more information, call Mable Wynn at 656-2209.

Money managing

If you're looking to learn more about informed money management, try the series of five workshops co-sponsored by the Pickens and Anderson offices of the Clemson Extension Service and the American Association of Retired Persons.

Every Tuesday in May, you can learn more about getting organized, spending money wisely, banking services, credit use, protecting yourself and what you own, and putting together your insurance, legal and financial affairs.

The deadline to register is Friday, April 14. The registration fee is $10 per person.

The workshops will be held in the Clemson Downs Retirement Center Dining Room from 3-5 p.m. May 2, 9, 16, 23 and 30.

The workshops are limited to 50 people. Those attending will receive a money management workbook and other materials.

For more information call Talley West at 868-2810.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE* is FRIDAY, April 14 for April 26 issue.**

Clemson EVENTS

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

April 13-May 8

13 Thursday

Union concert — **"Widespread Panic."** 9 p.m., Edgar's, $2. (656-2461)

13-15 Thurs.-Sat.

Union film — **"Alien Nation."** 7 and 9:15 p.m., Y-Theater, $1.75 with University I.D. (656-2461)

14 Friday

Mechanical Engineering seminar — **"Characterization of Rapid Solidification Processing of Metal Powders"** by Iver Anderson, professor of mechanical engineering, Iowa State University. 2:30 p.m., 300 Riggs Hall, free. (656-3470)

Union concert — **"Montana's."** 9 p.m., Edgar's, $2. (656-2461)

15 Saturday

Literary Festival — **"Carolina in My Mind: Images of the Palmetto State in the Media."** 8 a.m.-5 p.m. Daniel Auditorium. Free for students, faculty and staff. Preregistration preferred. (English department, Carol Ward, 656-5415)

16 Sunday

Second Annual International Food Festival. 1-5 p.m., Cooper Library Plaza. Sampling of food and entertainment from around the world. (Office of International Programs and Services, Priscilla Phillips, 656-4185)

Performing Arts' concert — **C.U. Symphonic Band.** 3 p.m., Outdoor Theater (4 p.m. in Tillman Auditorium if bad weather), free. (656-3043)

Union film — **"The Manchurian Candidate."** 2 p.m., Y-Theater, $1. (656-2461)

Union film — **"Alien."** 7 and 9:30 p.m., Y-Theater, free with University I.D. (656-2461)

18-22 Tues.-Sat.

Clemson Players production — "True West." 8 p.m., Daniel Auditorium. (Matinee Thursday, April 20, at 3:30 p.m.), free for students, $2 for faculty and staff, $4 for the public. (Performing Arts, 656-2476)

19 Wednesday

Union film — **"Go Tell It on the Mountain."** 7 & 9:15 p.m., $1.75. (656-2461)

20 Thursday

Special event — **Kindermusik demonstration.** 5:30 p.m., 218 Daniel Hall. For parents of children aged 4-6. (Laura Hochheimer, 656-3856)

Banquet/lecture — **"Assessment and Evaluation of Trends in Higher Education In South Carolina" by CHE Commissioner Fred Sheheen.** 6:30-9 p.m., Clemson House Purple Room. (Clemson Chapter of the American Association of University Professors — Helene Riley, 656-3402).

20-22 Thurs.-Sat.

Union film — **"Punch Line."** 7 and 9:30 p.m., Y-Theater, $1.75. (656-2461)

21 Friday

Special meeting — Commission on Classified Staff Affairs. 9:30 a.m., Senate Chambers (location may be subject to change). **House Ways and Means Committee Chairman Bob McClellan and Lt. Gov. Nick Theodore** will speak on legislative issues, including state employee raises, child care and health insurance. Interested employees welcome. (John Clemens, 656-3216)

21 Friday

Performing Arts' concert — **C.U. Jazz Ensemble.** 8 p.m., Tillman Auditorium, free. (656-3403).

22 Saturday

Dedication Ceremony — Strom Thurmond Institute. 2 p.m. **U.S. Vice President Dan Quayle** is the scheduled keynote speaker. (656-4700)

Union trip — **Biltmore House.** 9:30 a.m.-7 p.m. $15 includes transportation and tickets to house, gardens and winery. (656-2461)

Union concert — **"Krushtones."** 9 p.m., Edgar's, $2. (656-2461)

23 Sunday

Union film — **All of Me."** 7 and 9:15 p.m., Y-Theater, free with University I.D. (656-2461)

Union trip — **Whitewater Rafting** on the Ocoee River in Tennessee. 9 a.m.-7 p.m. $30 includes transportation, all-you-can-eat barbecue lunch and paddling suit. (656-2461)

24 Monday

Clemson Dancers spring dance performance — "On Stage," featuring members of the Kinetic Theatre Ensemble and special guest artists. 7:30 p.m., Tillman Auditorium, free. (Mabel Wynn, 656-2209)

25 Tuesday

College of Education lecture — **"Teacher Education — Past, Present and Future"** by Ernest L. Boyer, president of the Carnegie Foundation for the Advancement of Teaching in Princeton, N.J. 7 p.m., Tillman Auditorium. (John Walker, 656-5127)

26-27 Wed.-Thurs.

Continuing Engineering Education seminar — **Motor Applications and Variable Speed Drives.** Senate Chambers. (656-3308)

27 Thursday

Performing Arts' Centennial concert — **C.U. Symphonic Band and C.U. Chorus.** 8 p.m., Tillman Auditorium, free. (656-3043)

30 Friday

Union film — **"The Day the Earth Stood Still."** 2 p.m., Y-Theater, $1. (656-2461)

Union film — **"The Graduate."** 7 and 9:15 p.m., Y-Theater, free with University I.D. (656-2461)

May

1 Monday

Architecture exhibit — **Student Honors Exhibition.** Lee Gallery. (656-3081)

1-5 Mon.-Fri.

Continuing Engineering Education seminar — **Brick Manufacturers Workshop.** Senate Chambers. (656-3308)

1-6 Mon.-Sat.

Final examinations.

2 Tuesday

Extension seminar — **Money Management.** 3-5 p.m., Clemson Downs Retirement Center Dining Room. Every Tuesday in May. (Talley West, 868-2810)

7 Sunday

Counseling and Career Planning Center workshop — **Off to College.** 10 a.m.-4 p.m. $50. Focusing on selecting the appropriate college major and adapting new study techniques. For rising college freshmen and their parents. (Barbara Foltz, 656-2451)

8 Monday

Meeting — **Clemson Chapter of Professional Secretaries International.** 5p.m., Clemson Golden Corral. (Sandra Davis, 656-2330)

Send calendar entries to:

Master Calendar,
News Services,
Trustee House

Let us know if your event changes — call us at 656-3860.

Clemson
WEEKLY
Vol. 28, No. 34 April 19, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Ask McLellan, Theodore at Friday meeting

Friday, April 21, is your chance to find out what's really going with raises for state employees, health insurance, child care and a host of other hot legislative topics.

House Ways and Means Committee Chairman Bob McLellan and Lt. Gov. Nick Theodore will address these and other issues at a special meeting of the Commission on Classified Staff Affairs at 9:30 a.m. in the Senate Chambers.

All interested employees are invited to attend and will be able to ask questions.

For more information, call Commission Chairman John Clemens at 656-3216.

Institute dedication day arrives

U.S. Vice President Dan Quayle is scheduled to speak at public ceremonies dedicating the Strom Thurmond Institute of Government and Public Affairs Saturday, April 22, at 2 p.m.

Joining Quayle and U.S. Sen. Strom Thurmond for the dedication will be Dominica Prime Minister Eugenia Charles, U.S. Sen. Ernest Hollings, Gov. Carroll Campbell, Rep. Butler Derrick, Board of Trustees Chairman Louis Batson Jr., President Max Lennon and other dignitaries.

In the event of rain, the dedication ceremony will be moved to

(Continued on back)

Parking restricted for some

Without a special invitation, don't even think about parking on east campus Saturday.

Starting at 4:30 p.m. Friday (April 21), most of east campus will be sealed off for the dedication of the Strom Thurmond Institute, says Bill Pace, director of Parking Services.

"Unless you have a special invitation, campus parking will be limited to the lots behind Lee Hall and the lot at the west end zone of the football stadium," he says.

"The easiest way to park will be to enter from either end of Perimeter Road, and let the officers on hand direct you to the appropriate area," he says.

And for those returning to campus Friday night for the 8 p.m. C.U. Jazz Ensemble concert or the 8 p.m. Clemson Players' per-

(Continued on back)

Dear Colleagues:

On Saturday, April 22, 1989, at 2:00 p. m., the Strom Thurmond Institute Building will be dedicated. Vice President Dan Quayle will be our keynote speaker, and Senator and Mrs. Thurmond, Governor Campbell, Senator Hollings, Congressman Derrick, and Prime Minister Eugenia Charles of Dominica will participate in the program.

We are grateful for the expressions of support and encouragement given us over the years by our colleagues on the faculty, staff, and in the University administration, and we invite you to join us for the dedication ceremony and the open house that will follow.

For the Thurmond family, the University, and everyone associated with the Institute, this will be a special day and one made even more so by your presence. We hope to see you on April 22.

Sincerely,

Horace

Horace W. Fleming
Director

Institute dedication (cont.)

Littlejohn Coliseum.

The dedication is the culmination of a seven-year process to establish a home for the Institute's programs and documents.

The Institute, which began operations in 1982, sponsors research and public service programs to enhance citizens' awareness of important issues that will improve the quality of local, state and national government.

Nearly one-third of the 45,000 square-foot facility will be occupied by the staff and archives of the special collections department, which has charge of Thurmond's papers, donated in 1981.

The building also will include:

- a 234-seat auditorium;
- a suite containing an office for Thurmond and adjacent space for the memorabilia and papers of the Thurmond Collection;
- conference rooms; and
- offices for Distinguished Lecturers, Senior Fellows, research staff and assistants.

Parking (cont.)

formance of "True West," Pace says parking will be available in the reserved areas for the duration of the activities only.

"However those cars will have to moved immediately afterward, or else they will be subject to being towed," he says.

WITHOUT a special invitation, you can park:

- in the Lee Hall parking lots (C-4 and C-5),
- in the West End Zone parking lot (C-8 and C-9).

WITH a special invitation, you can park:

- in the Sikes Hall parking lot,
- along Parkway Drive (to the President's House),
- along South Palmetto Boulevard,
- in the employee and commuter parking lots beside Redfern (E-1 and C-1),
- in some areas behind Poole Agricultural Center and Lehotsky Hall, and
- in the Sirrine Hall parking lot (if needed).

Briefly

National science week

President Max Lennon has proclaimed next week "Science and Technology Week at Clemson University" as part of the national effort to attract more students into the sciences.

April 23-29 has been designated National Science and Technology Week by the National Science Foundation to increase awareness of an expected shortfall of U.S. scientists by the year 2000.

Thurmond speaks April 21

U.S. Sen. Strom Thurmond will speak Friday, April 21, at 8 p.m. in the auditorium of the Strom Thurmond Institute.

His address is free and open to the public. A reception follows.

For more information, call Julie Craig at 656-4700.

Charles to speak April 24

Dominican Prime Minister M. Eugenia Charles will speak Monday, April 24, in the auditorium of the Strom Thurmond Institute.

Her address is free and open to the public. A reception follows.

For details, call 656-4700.

Boyer to speak April 25

Ernest L. Boyer, president of the Carnegie Foundation for the Advancement of Teaching, will speak Tuesday, April 25, on "Teacher Education — Past, Present and Future" at 7 p.m. in Tillman Auditorium.

Sponsored by the College of Education, Boyer's talk is free and open to the public.

For more information, call John Walker at 656-5127.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, April 21 for May 3 issue.**

Clemson
WEEKLY
Vol. 28, No. 35 April 28, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Staff Commission inaugurates scholarship at forum

State legislators addressed a variety of employee concerns April 21 at a special forum sponsored by the Commission on Classified Staff Affairs.

Lt. Gov. Nick Theodore spoke on child care, and House Ways and Means Committee Chairman Bob McLellan spoke on state health insurance and employee raises to the approximately 130 people who packed the Senate Chambers.

(For details, see the related stories in this issue.)

President Max Lennon also was on hand to inaugurate the drive for the Commission's new scholarship program.

The program, "This is Family Business," will sponsor scholarships for deserving children of classified staff employees.

During the drive, employees will be asked to contribute at least $1 per paycheck, or about $25 per year.

"This scholarship is important to Clemson because it says you believe in education enough to invest in it," said Lennon.

Lennon said he hoped Clemson could one day augment the scholarship by reducing tuition for the dependents of University employees.

Insurance, raises create most interest

Funding for education is a legislative priority for the upcoming fiscal year, with some 51 percent of the House's proposed $3.3-billion appropriations bill going to fund public education, House Ways and Means Committee Chairman Bob McLellan told employees at the April 21 forum sponsored by the Staff Commission.

While elementary and secondary education remains the biggest priority, higher education should again be funded at about last year's level of 93.3 percent of "full formula funding," the minimum amount state colleges and universities need as calculated by the S.C. Commission on Higher Education. The calculations are based on the average funding for Southeastern schools.

McLellan said the House tried to finance 95 percent of the CHE formula but was unable to do so.

At present, the appropriations bill is before the Senate Finance Committee.

Health insurance

As for the ailing state health insurance reserve fund, McLellan said the Legislature plans to replenish the account by replac-

(Continued on back)

Child care to rank as a top benefit

Child care will emerge in the 1990s as a top fringe benefit concern for state employees, said Lt. Gov. Nick Theodore at the April 21 Staff Commission forum.

"This is a national issue that must first be addressed and attacked at the state level," he said.

A recent survey of state employees who work in the Capitol Building Complex in Columbia indicated that most of those workers in need of child care are married females in their late 30s who work full time and pay more than $51 per week for care for their children age 6 and younger,

(Continued on back)

Thurmond has his day April 22

U.S. Vice President Dan Quayle hailed U.S. Sen. Strom Thurmond, as "one of the outstanding public servants in American history" April 22 at a campus ceremony dedicating the Strom Thurmond Institute of Government and Public Affairs.

"Today we honor him not just for what he's done for South Carolina, but for our nation and our world," Quayle told the audience of more than 3,000 who gathered for the dedication amidst temperatures that climbed into the low 80s.

Among those paying homage to the elder statesman were Gov. Carroll Campbell, U.S. Rep. Bulter Derrick, Dominica Prime Minister Eugenia Charles, and U.S. Sen. Ernest Hollings.

President Max Lennon said the Institute will "allow Clemson to make a difference" in addressing the world's many complex issues

(Continued on back)

Insurance, raises (cont.)

ing from other sources the approximately $27 million removed from the fund in 1984.

In addition, he said the Dallas-based Wyatt and Co., the second actuarial firm contracted for outside opinions, has recommended several cost-containment options that are under study.

"Our first priority is to deal with the health package, to shore it up and make it sound," he said, "but don't expect that it won't cost you more money and that you won't have increases in your deductibles and maybe even in your co-payments."

McLellan said the possibility exists for a 15-18 percent rate increase for dependent coverage; however, no change is expected in retirement coverage for people age 65 or older.

Regardless, he said, employees "need to get ready for a change in coverage. And don't feel too offended because anybody in the private sector will tell you they have had changes in coverage very much like these."

McLellan said the health insurance program got into trouble through a combination of improper rate adjustments and a tremendous increase in the cost of health care.

McLellan said the Legislature has tried to hold the line on insurance rates as long as possible; however, "we were awfully derelict in not making the proper rate adjustments."

Pay raises

McLellan said, in the House version of the appropriations bill, state employees would receive:

- a 2-percent, base-pay increase July 1,
- a 2-percent, base-pay increase Jan. 1, and
- a one-time bonus in December.

The bonus would amount to about $286 each for employees making less than $20,000 annually and approximately $143 each for those making more than $20,000 annually.

McLellan said a special committee has been created to study the pay system for state employees and that it will try to develop a formula for payout.

"We tried to fund your pay package up front," he said.

"Each 1-percent adjustment in state employee salaries costs the state $11 million, so to commit to you some $38 million for raises, we thought was a pretty significant commitment."

Child care (cont.)

Theodore said.

Because of child-care related instances, these state employees:

- miss work 9.6 days per year,
- are late to work 13.8 times per year,
- are interrupted at work 8.4 times per year, and
- are called away from the job 25.8 times per year.

"Fifty-four percent of all respondents said they produce less because they did not have this (child-care) benefit to offer them the satisfaction and the peace of mind to carry out their duties on the job," he said.

In the next seven months, Theodore said, 41 percent of those state employees will be looking for new child care programs because current ones are inadequate.

As a result of the study, Theodore has helped sponsor the Partnership for Children Act, now before the General Assembly.

Though it likely will be amended, the act proposes to establish tax credits for employers sponsoring in-house child-care programs and to establish a state child-care counsel.

Thurmond (cont.)

through research and education."

Key to the Institute's mission are the more than 34 tons of papers and memorabilia donated by Thurmond.

The $6.5-million building was built with no federal money, relying entirely on private support.

Officials also announced Saturday the beginning of a $3.7-million fund drive to endow programs at the Institute.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, May 5, for May 17 issue.**

Clemson
WEEKLY
Vol. 28, No. 36 May 5, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

U.S. ag secretary to address Centennial grads

The University will honor the U.S. secretary of agriculture, a nationally recognized environmental scientist and the chairman of the W.K. Kellogg Foundation during commencement exercises in Littlejohn Coliseum May 12.

Clayton Yeutter, the 23rd secretary of agriculture, and limnologist Ruth Patrick will receive honorary humanities degrees.

Russell G. Mawby, chairman of the board and chief executive officer of the W.K. Kellogg Foundation, will receive the President's Award.

Approximately 1,480 degrees will be awarded to undergraduate and graduate candidates during the 11 a.m. ceremony.

Yeutter, the commencement speaker, was invited to address the graduates as part of the Centennial Celebration recognizing Clemson's founding as an agricultural college 100 years ago.

Also, Thomas Green Clemson was the nation's first superintendent of agricultural affairs in 1860, while that function was still attached to the U.S. Patent Office. He presented the plan to establish a separate federal department for agriculture.

This year also marks the 75th anniversary of the Smith-Lever Act, which established the Cooperative Extension Service in land-grant universities.

That legislation was introduced in 1914 by U.S. Rep. Frank Lever of South Carolina and U.S. Sen. Hoke Smith of Georgia. On May 9, a new historic marker at the Lever grave on the Clemson campus will be dedicated.

Reminder:

The general faculty/staff meeting will be held Thursday, May 11, at 10 a.m. in Tillman Auditorium.

Clemson faculty salaries gain on peers, survey says

Although Clemson faculty salaries still rank relatively low among peer institutions, the University has managed to gain ground for the first time.

A survey of 20 peer institutions conducted by the Faculty Salary and Fringe Benefits Committee indicates that, though ranking in the bottom half, Clemson salaries closed the gap on the "competition" by 2 percent overall in 1988-89.

Actually, Clemson salaries have increased 7.8 percent since last year, but a 5.8-percent increase in salaries at peer schools reduces the net gain to 2 percent.

According to the survey, Clemson salaries gained 2 percent for professors; 1 percent for associate professors; and 3 percent for assistant professors.

As a result:

- professors now rank at 9 percent below the peer average;
- associate professors now rank at 6 percent below; and
- assistant professors now rank at 2 percent below.

The net gain, said committee Chairman Harold Albert in a

(Continued on back)

Clemson's average faculty salaries for this year:

professors	$50,433
associate professors	$37,712
assistant professors	$33,245

Peers' average faculty salaries for this year:

professors	$55,232
associate professors	$40,087
assistant professors	$34,076

Clemson's average faculty salaries for last year:

professors	$46,646
associate professors	$35,336
assistant professors	$30,790

Peers' average faculty salaries for last year:

professors	$52,144
associate professors	$38,072
assistant professors	$32,385

Staff Commission to meet

The next meeting of the Commission on Classified Staff Affairs will be held Tuesday, May 9, at 10 a.m. in 113 Lehotsky Hall.

All interested employees are welcome to attend.

For more information, call Commission Chairman John Clemens at 656-3216.

Faculty salaries (cont.)

recent report to the Faculty Senate, resulted from last year's $1 million in salary adjustment money from the administration. The money came solely from internal sources and was in addition to regular assistance from the state.

"Without that $1 million, our faculty would have continued to lose ground as we have every year until now," said Albert.

This year's $800,000 in faculty adjustment funds should improve salaries more, "however, we still have a long way to go to achieve equality with our peers," he says.

The 20 peer institutions in the survey are predominantly land-grant schools and were selected on the basis of "schools we are like or want to be like," he says.

The peer schools are: Auburn University, Florida State University, Georgia Institute of Technology, the University of Georgia, Purdue University, the University of Kentucky, Louisiana State University, the University of Maryland, Mississippi State University, Michigan State University, Cornell University, N.C. State University, the University of North Carolina, The Ohio State University, the University of South Carolina, Texas A&M University, the University of Tennessee, the Virginia Polytechnic and State University, the University of Virginia, and West Virginia University.

Botanical Garden program to offer tips on home gardening

If home gardening and landscaping are among your interests, a program at the Botanical Garden Saturday, May 13, is for you.

The program, titled "Your Yard," features seven sessions on home horticulture topics and a sale of both vegetable and ornamental plants. It's sponsored by the Botanical Garden and the Clemson Extension Service.

The first seminar—vegetable garden harvest—begins at 9 a.m., and the final session on ornamental plant selection ends at 4 p.m.

There also are sessions on plant diseases, insects that plague the home gardener, soil nutrition, landscape irrigation and weeds and herbicides. Each session will be led by a Clemson Extension specialist or a Clemson horticulture researcher.

All seminars will be at the Hayden Service Center near the duck pond and the pioneer cabins, says Ernie Denny, program director for the Botanical Garden.

The plant sale, sponsored by the Clemson Botanical Garden Volunteers, will be in front of the caboose at the garden entrance as long as plant supplies last.

If the weather is rainy, the sale will be held in the basement of the Hayden Service Center.

We're hearing you've been missing us...

...so here's something new that we're trying! Let us know if labeling your copy helps you get your *Weekly* sooner. Write us c/o the Trustee House and tell us what you think!

Elections still scheduled

Elections for the open seats on the Commission on Classified Staff Affairs are scheduled to be held within the next two weeks.

Because all nominations were not available at press time, the nominees did not appear in *Clemson Weekly* as scheduled.

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Clemson
WEEKLY
Vol. 28, No. 37 May 12, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Users group recommends insurance changes

A group representing users of state insurance programs has finalized its recommendations to the S.C. Retirement System, says the director of Payroll and Employee Benefits.

The State User Advisory Committee has made three recommendations based on a recent survey of health insurance programs in 11 other Southeastern states and among some 200 private-sector employers, says Ron Herrin.

The recommendations are:

1. that the approximately $27 million removed from the state health insurance reserve fund in 1984 be replaced in full;

2. that the state pay for an employee group insurance plan that would at least match the average Southeastern state's contribution for employee health insurance coverage; and

3. that the committee should have final input in any necessary changes in the state health insurance plan.

The Retirement System will make its own recommendations to the State Budget and Control Board.

"This committee does not represent any state administration," says Herrin, who chairs the 13-member group.

"The committee represents the users of our state insurance

(Continued on back)

How does the state's health plan stack up?

While having benefits comparable to other state government health insurance plans in the region, South Carolina still gets low marks for the size of its employer contributions, a survey says.

A S.C. State Employees Association survey shows that South Carolina contributes roughly $61 less per month for full-family coverage than other Southeastern states.

In the average Southeastern state government plan, the employer contributes $90.17 per month for employee coverage and $56.91 per month for dependent coverage ($147.08 total for full-family coverage).

In South Carolina's plan, the state contributes $85.83 for employee coverage and nothing for dependent coverage.

The SCSEA survey was conducted by the College of Business Administration at the University of South Carolina.

The State Users Advisory

(Continued on back)

Groundbreaking for livestock arena set for May 25

Belgian horses, not people, will do the honors at the May 25 groundbreaking ceremony for the University's T. Edmond Garrison Livestock Arena — the state's premier livestock showplace and activity center.

The team of horses will pull a plow for the groundbreaking scheduled for 3 p.m.

The arena site is located at the S.C. Agricultural Experiment Station's Bull Test Facility several miles from campus, just off U.S. Hwy. 76 near Tri-County Technical College.

To be operated through the College of Agricultural Sciences, the facility will be used for horse and livestock shows, sales, 4-H activities, educational programs and industrial and agricultural expositions.

Milt Wise, vice president and vice provost for Agriculture and Natural Resources, will emcee the ceremony. Speakers will include Clemson alumnus and former state Sen. T. Ed Garrison, for whom the arena is named.

Representatives of the beef, pork, poultry and dairy industries also will be on hand.

The $4.4-million facility will provide educational opportunities to the state's agricultural community, help develop the state's livestock industry and boost area tourism.

"Livestock enthusiasts across the state will have a one-of-a-kind showplace and activity center when this arena is completed," says animal scientist Larry

(Continued on back)

Users group (cont.)

programs and has made its recommendations on what will be most beneficial to state employees."

The State Users Advisory Committee is composed of four state employees, two school district employees, three retirees and four at-large members representing the S.C. Educational Association, the S.C. State Employees Association, the S.C. Association of School Administrators and the Palmetto State Teachers Association.

Survey (cont.)

Committee used that survey as a basis for its health insurance recommendations to the S.C. Retirement System.

"Despite what you may have heard, South Carolina offers its employees a good health insurance plan that is quite in line with what other Southeastern organizations offer their employees," says Ron Herrin, director of Payroll and Employee Benefits.

"If state leaders can be convinced to increase the state's contribution to the health insurance program, South Carolina's plan can remain in line with the Southeastern state government average without some of the drastic changes that have been proposed."

Livestock arena (cont.)

Hudson.

"This is something that was greatly needed for the region as well as for livestock producers all across the state."

Construction will begin in late May, he says, and should be completed in 12 months.

Plans for the 100-acre facility include an indoor arena with seating, a covered outdoor arena, administrative offices and conference rooms, concession areas, horse and cattle facilities, and hook-ups for recreational vehicles.

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Football tickets

The deadline to order 1989 season football tickets is Friday, May 19.

All faculty, staff and graduate students who would like to purchase tickets should return applications to the Athletic Ticket Office by the deadline.

For more information, call 656-2118.

Dial 'O' for ...

The telecommunications services department will present a training seminar Monday, May 22, on how to use the University's telephone system.

The one-hour seminar will be held at 10 a.m. in the Senate Chambers and is designed to familiarize employees with Clemson's ESSX telephone system.

All faculty and staff are welcome to attend.

To register or to get more information, dial "O."

Clemson
WEEKLY
Vol. 28, No. 38 June 8, 1989
INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Five receive alumni service award

The nation's Chief Negotiator in talks with the Soviet Union to help develop and deploy the Strategic Defense Initiative joins four prominent South Carolinians as 1989 recipients of the Clemson Alumni Association's Distinguished Service Award.

Those honored are:

• Ambassador ***Henry F. Cooper***, Chief U.S. Negotiator at the Defense and Space Arms Talks in Geneva;

• Retiree ***Raymond A. All*** of Anderson;

• Trustee ***Bill L. Amick*** of Batesburg;

• Sports Information Director ***Robert C. Bradley*** of Clemson and

• Businessman ***James P. Creel*** of Myrtle Beach.

The five were chosen for the University's top alumni award because of their church, civic, professional and public service.

Alumni Center lobby reopens Friday

Faculty and staff are invited to a ribbon-cutting ceremony this Friday, June 9, at 3:30 p.m. in the newly renovated lobby of the Alumni Center.

The ceremony, which will occur on the 16th anniversary of the Center's dedication, will mark completion of the first major improvements to the multipurpose facility since its construction in 1972.

The ribbon-cutting is one of numerous events scheduled for this weekend, when an estimated 900 alumni and guests visit campus for annual reunion activities.

Mass. architects win design competition

The Cambridge, Mass., architectural firm of Sert, Jackson and Associates has won the national competition to design the University's proposed performing arts center.

The $10-million facility will include instructional and performance areas. A 1,000-seat theater, a smaller theater and a choral recital hall are the three main visual focal points of the building.

The site for the center is the top of a hill southeast of the new Strom Thurmond Institute building and just west of Lehotsky Hall.

Final contract negotiations with the firm are under way.

No, you haven't missed any issues lately — we're just going on a biweekly schedule for most of the summer.

Self study, salaries, freshman class highlight year-end meeting

Among the highlights of the year-end general faculty/staff meeting last month are:

• **Clemson's 10-year self-study is under way.** That effort for reaccreditation by the Southern Association of Colleges and Schools is chaired by chemical engineering Professor Steve Melsheimer.

SACS officials will visit campus by the spring of 1991 to conduct interviews and evaluate the University's self-study report.

• **Improving faculty salaries remains a University priority.**

"If we can continue to pursue compensation aggressively, then we can join the ranks of some of the nation's better institutions in any way you want to measure us," said President Max Lennon.

• According to the Office of University Research, Clemson's **annual research expenditure per faculty member ranks seventh in the nation** among land-grant universities without medical programs.

"It's within this particular peer community that we can be the best in the nation, and it's an accomplishment we can make in a relatively brief time," he said.

• With more applications than anticipated, Clemson is **expecting some 2,800 freshman this fall**, down from 2,880 in fall '88.

Lennon said the new class should be "higher quality" because of improved admissions standards in most of the colleges.

• The new freshman class also should reflect **a 25 percent increase in the number of minority students**. The present level is around 5-6 percent, and Clemson is still "shooting for double digits," he said.

• A change in the University's **housing policy will give freshmen priority** this fall and will provide quarters for some 2,400 new students.

Briefly

Theme park tickets

The University Union has advance Six Flags and Carowinds tickets for sale that can save you as much as $5 off the parks' regular admission prices.

For details, call the Union at 656-2461.

Free computer courses

The consulting and technical services department is sponsoring free short courses this summer on using personal computers, the NAS mainframe and the VAX.

To register or to get more information, call the CTS help desk at 656-3494.

Toxicology center moves to Clemson

Clemson is the new home for the Institute of Wildlife and Environmental Toxicology, an educational and research program with more than $4 million in grant support.

Program scientists will search for effective ways to manage toxic substances, such as hazardous wastes and pesticides, so they are less harmful to wildlife and the environment.

The program moves here from Western Washington University in Bellingham, Wash.

Clemson will apply to the S.C. Commission on Higher Education for the program to have institutional status.

Meetings this week...

Monday, June 12

- Clemson chapter of Professional Secretaries International — 5 p.m., Clemson Golden Corral restaurant. *(Sandra Davis, 656-2330)*

Tuesday, June 13

- Staff Commission — 10 a.m., 113 Lehotsky Hall. *(John Clemens, 656-3216)*
- Faculty Senate — 3:30 p.m., Senate Chambers. *(Gordon Halfacre, 656-4957)*

Wednesday, June 14

- C.U. Black Faculty/Staff Association — 5 p.m., 300 Sikes Hall. *(Cynthia Robinson, 656-5815)*

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Honorees at the year-end faculty/staff meeting were:

The 1989 Alumni Research Achievement Award
Jack McLaughlin — English

McLaughlin's book, "Jefferson and Monticello," was one of five finalists in the non-fiction category of the National Book Awards.

"This marks the first time an individual not engaged in quantitative science research has ever received this honor," said Debbie DuBose, associate vice president for Alumni Relations.

The Frank A. Burtner Award for Excellence in Advising Students
Joe Young — Architecture

The American Association of University Professors Award
Larry LaForge — Management

Outstanding Honors Professors
(selected by Honors students)

- ***Lewis Fitch*** — Electrical and Computer Engineering;
- ***Ed Gettys*** — Physics and Astronomy,
- ***Vincent Guide*** — Accountancy,
- ***Tom Hughes*** — Microbiology,
- ***Carol Johnston*** — English,
- ***James Nicholson*** — Mathematical Sciences,
- ***Carlton Ulbrich*** — Physics and Astronomy.

New Emeriti Professors
(who collectively have served Clemson for more than 566 years)

- ***Alvon Elrod*** — Mechanical Engineering,
- ***Warren Menke*** — Management,
- ***George Polk Jr.*** — Architecture,
- ***Larry Reamer*** — Forestry,
- ***Malcom Sikove*** — Physics and Astronomy,
- ***Regina Thompson*** — Nursing.

Clemson WEEKLY

Vol. 28, No. 39 June 14, 1989

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Academic programs top C.U. Foundation budget

Scholarships, professorships, fellowships and other academic programs will receive the largest share of the Clemson University Foundation's budget for 1989-90.

Academic programs will receive $567,000 of the $1.67 million in unrestricted gifts and income received and managed by the Foundation in 1988-89 for use in the coming fiscal year.

The new budget, approved by the Foundation Board of Directors based on recommendations from the University Administration, also includes $298,000 for Alumni Association programs and services and $373,000 for academic fund-raising activities.

(See box on back for complete budget summary.)

In other recent Foundation news:

— **The Board has approved a loan of approximately $63,000 to the Clemson Centennial Professorship Endowment**, a faculty effort to raise $100,000 to match an equal amount of funds available through the state's "Cutting Edge" initiative. The loan will allow the faculty to meet the June 30 deadline for qualifying for the "Cutting Edge" money and will be repaid, at 6-percent interest, by new faculty gifts to the endowment.

— **As of June 8, giving in this fiscal year had surpassed $11 million,** about $700,000 more than the total raised in 1987-88. The Foundation has a $12-million goal for the '88-89 fiscal year, which ends June 30.

— **The Foundation currently manages $22.6 million in endowment funds.** Investment of these funds earned a 7.3-percent return during the third quarter (January-March) of the current fiscal year, compared to a 5-percent return earned by a group of similar funds used as a standard reference point for endowment performance.

Foundation investments earned a 12.6-percent return during the first nine months (July-March) of 1988-89 and an 18-percent return from March 31, 1988, through March 31, 1989.

— **The Foundation has sold 205 acres of land in Williamsburg County to Westvaco Corp.** for $188,007, which will be used to provide scholarships for S.C. students in the College of Agricultural Sciences. The land was a gift from Mrs. Wallace O. Hardee.

— **The Board has invited five contractors to submit bids** for adding 10,300 square feet of office space onto the rear of the Foundation-owned house at 110 Daniel Drive. Total cost, including site work and architectural fees, will be about $776,000.

No state money will be used for the project, which will be financed by a long-term loan to be paid off with private contributions.

The expansion will create a headquarters for the Foundation and will house the Loyalty Fund (currently in the garage at the rear of the house) and other fund-raising programs, including development offices for the University's nine colleges. Space for a telephone bank for the annual student phonathon will also be included.

The Advancement Services staff, which provides gift receiving, gift management, records management and donor research services, will move to the new facility from the Alumni Center, giving academic fund raisers easier access to those services.

(continued on back)

Board elects directors, officers

The C.U. Foundation Board annually elects six directors to serve four-year terms. This year's new directors, all Clemson graduates, are James G. Bannon Jr. '65 of Arlington, Texas; Frank M. Bishop Jr. '65 of Atlanta; Carolyn W. Creel '61 of Myrtle Beach; Harvey B. Gantt '65 of Charlotte; William A. Hudson '57 of Spartanburg; and William B. Sturgis '57 of Duncan.

Directors completing their terms this year are John M. Evans '57 of Spartanburg; William H. Mathis '60 of Atlanta; H. Donald McElveen '57 of Columbia; Angelina S. Howard '69 of Marietta, Ga.; Thomas C. Lynch '58 of Clemson; and David L. Peebles '49 of Ordinary, Va.

The Board also annually elects a president and two vice presidents. President Philip H. Prince '49 of Pawleys Island, Vice President for Administration David L. Milling '53 of Media, Pa., and Vice President for Development J.J. Britton '58 of Sumter were re-elected to continue in their respective posts for 1989-90.

NOTE:
The Clemson University Foundation exists to receive, manage and increase private gifts for the advancement of Clemson University.

Restricted gifts are used for specific purposes agreed to by the donors, the University and the Foundation.

Unrestricted gifts are budgeted by the Foundation Board of Directors based upon recommendations from the University Administration.

Here (at right) is that budget for 1989-90:

Foundation (cont.)

(Long-range plans call for the News Services staff, currently in the Trustee House, to move into the Alumni Center space now occupied by Advancement Services. This would allow the Trustee House to be restored as a historic building, joining the Calhoun House as a campus focal point.)

Calendar...

June 26 — last class day
June 27 — final exams

July 3-4 — Independence Day holidays
July 5 — orientation
July 6 — registration
July 7 — classes begin

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Clemson University Foundation 1989-90 Budget for Unrestricted Gifts and Income

Revenue

Clemson Loyalty Fund Unrestricted Annual Gifts	$1,200,000
Estimated Earned Income on Gifts to Current Operations	$178,000
Estimated Unrestricted Endowment Income	$290,000
**Total	**$1,668,000**

Expenses

Academic Programs and Support $567,000
- *Scholarships ($380,000)*
  - *Robert F. Poole Alumni Scholarships*
  - *Frank J. Jervey Alumni Scholarships*
  - *Alumni Presidential Scholarships*
  - *Alumni, Faculty, Staff Scholarships*
  - *National Merit Scholars*
  - *Clemson Scholars*
- *Alumni Professorships ($59,500 — 17 @ $3,500 each)*
- *Graduate Alumni Fellowships ($55,000)*
- *Faculty Research and Development Grants ($22,500)*
- *Strom Thurmond Institute ($35,000)*
- *Academic Enrichment Fund ($15,000)*

Alumni Association Programs and Support $298,000
- *Alumni Association Administration ($115,000)*
- *Student Alumni Council ($18,000)*
- Clemson World *Magazine ($130,000)*
- *Alumni Center ($15,000)*
- *Performing Artists Series ($10,000)*
- *Faculty Awards for Excellence in Teaching, Research & Public Service ($4,500 — 3 @ 1,500 each)*
- *Student Government ($2,500)*
- *Clemson University YMCA ($2,000)*
- *Carillon Bells ($1,000)*

Development Programs and Support $373,000
- *Development Office Administration ($240,000)*
- *Major-Gift Projects ($133,000)*

Advancement Services Administration $182,000
- *Accounting, auditing, gift processing, legal fees, real estate fees, donor research, etc.*

Board of Visitors Programs and Support $20,000
- *Meeting Expenses ($8,000)*
- *Media Consulting Contract with Gehrung and Associates ($12,000)*

General University Programs and Support $228,000
- *Discretionary Funds for President, Vice Presidents, Deans, Director of Libraries ($106,000)*
- *Official Functions ($22,000)*
- *Legislative Activities ($100,000)*

Total $1,668,000

Clemson WEEKLY

Vol. 28, No. 39 June 28, 1989

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

Compromise keeps Jervey fence open until Aug. 1

Walkers and runners can use the recently fenced area near Jervey Athletic Center on a trial basis until Aug. 1.

Although the new fence will not be removed, two gates will allow access to "the Bottoms" area weekdays from 7:30 a.m to 6 p.m. The area — which contains the football and soccer practice fields and the outdoor track — will be closed on weekends and will be managed by the physical training and intramural sports department.

In addition:

- No pets, bicycles or motorcycles will be allowed in the area.
- Outdoor track users must wear tennis or running shoes and should only use the two outside lanes (lanes 9 and 10).

A final decision on future public access to the area is to be made after Aug. 1.

Users of the area expressed concern at finding the previously open area blocked by an eight-foot-high fence, which had been installed by the athletic department to curb vandalism and to preserve the newly resurfaced $550,000 outdoor track.

Clemson gets Advanced Placement first

Earlier this month, Clemson became the first site outside Princeton, N.J., to host readings of the College Board's Advanced Placement exams.

The essay portions of four subject fields — mathematics, computer science, European history, and German — were scored here June 12-17 in the first year of a three-year agreement with the College Board.

"Clemson historically has been a leader in South Carolina in Advanced Placement," says Vice Provost for Undergraduate Studies Jerry Reel.

"We rank 29th nationally in the number of AP grades received from students wanting to qualify for credit," he says, "and our faculty traditionally have served as readers for the Educational Testing Service, the Princeton firm that administers the AP exams, as well as the Scholastic Aptitude Test and the Graduate Record Exam."

Alumni Professor of Mathematical Sciences John Kenelly serves as director of the reading for the Clemson site and two other faculty members — Associate Dean of Biology Doris Helms and Physics Professor Ed Gettys — serve as chief readers.

Advanced Placement allows qualified high school students to receive college credit for work done in high school.

Audition for Players July 6

The Clemson Players will hold auditions Thursday, July 6, for their upcoming production of "Baby with the Bathwater" by Christopher Durang.

The auditions, set for 7:30 p.m. in Daniel Annex, are open to the public, and no theater experience is required. There are a number of roles available for a variety of ages and types.

Robin Roberts, an instructor in the performing arts department who directed the Players' February production of "Blue Window," will direct the summer show that portrays the life of a child from birth to adulthood and the various impressions made by parents, neighbors, friends and others.

Production dates are Aug. 2-5. For details, call 656-5383.

State approves gift of rain forest property in Dominica

The S.C. Budget and Control Board and the S.C. Commission on Higher Education have approved a gift to Clemson of 190 acres of Caribbean rain forest property.

The approval came after landowner John Archbold presented the University May 31 with the deed to his Springfield Plantation on the island of Dominica, West Indies. The plot of land and accompanying buildings, valued at nearly $1 million, will serve as the base for the Archbold Tropical Research Center.

Clemson has formed a consortium of universities and research institutions to conduct research projects at the Center.

Late this month, consortium representatives from Clemson, Texas A&M, the U.S. Forest Service and the National Park Service will meet at the Archbold Center to begin research projects there.

In the meantime, Clemson is conducting a nationwide search to find a full-time director for the Center.

Briefly

University Master Teacher

Assistant professor of psychology Patricia Connor-Greene is the University's 1989 Master Teacher.

The once-in-a-lifetime honor, awarded annually by the Student Alumni Council from student nominations, was presented to her during spring commencement exercises.

In addition to teaching, Connor-Greene works as a clinical psychologist 10 hours a week at Redfern Health Center.

Extension Master Teacher

Home economics specialist Joyce Christenbury has been chosen this year's "Extension Master Teacher" by the Clemson Extension Specialist Association.

During her 12 years at Clemson, she has developed several outstanding home economics educational programs, including a youth career exploration program and a popular home filing system program.

Fee-hunting symposium

The first Symposium on Fee-Hunting on Private Lands in the South will be held on campus July 23-25. The registration deadline is Saturday, July 15.

The symposium will cover:

- fee-hunting systems and policies;
- resource management;
- marketing;
- liability and insurance;
- trespass laws; and
- educational methods.

The symposium is sponsored by the aquaculture, fisheries and wildlife department; the Clemson Extension Service; and the S.C. Wildlife and Marine Resources Department.

For details, call Greg Yarrow at 656-3117.

Fike hours

Fike Recreation Center will close at 6 p.m. weekdays and 4 p.m. on weekends until the beginning of the second summer session Friday, July 7. For details, call Fike at 656-2116.

Top employee suggestion

Roger K. Doost, an associate professor of accounting, is the latest recipient of the University's Employee Suggestion Award.

Doost received a certificate and a $105 check for his suggestion to keep all showers at Fike Recreation Center turned off when not in use.

A cost analysis conducted by Facilities Maintenance and Operations projects that Doost's suggestion for conserving water will save some $420 next year.

New department

The experimental statistics unit in the College of Agricultural Sciences is now a department.

Though it is not a degree-granting program, it has served as an academic department, providing courses in experimental statistics and offering statistical consultation to graduate students and faculty.

Paper call

Employees interested in submitting papers for presentation at the 38th annual meeting of the Southeastern Regional Association of Physical Plant Administrators Oct. 8-11 in Lexington, Ky., should call Gary Pringle at 656-4939. One-page abstracts are due July 15.

For the record...

To clarify the sidebar in the June 8 issue: the University had 31 total faculty retire this year with collective service of 566 years. The six professors listed in the story were the ones attending the year-end ceremony.

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We welcome your comments and suggestions. Call us at 656-3860 or write us at the Trustee House. ***DEADLINE*** **is FRIDAY, June 30, for July 12 issue.**